



Aerospace Manufacturing

Product Portfolio Guide 2021



H.B. Fuller

Connecting what matters.™



H.B. Fuller

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H.B Fuller Aerospace Brands

H.B. Fuller Aerospace Brands

Since 1887, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. With fiscal 2020 net revenue of approximately \$2.8 billion, H.B. Fuller's commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in aerospace, electronics, disposable hygiene, health and beauty, transportation, aerospace, clean energy, packaging, construction, woodworking, maintenance and repair, and other consumer businesses.



H.B. Fuller

Aerospace



Fiber Resin
Aerospace



BACON
ADHESIVES



ROYAL
ADHESIVES & SEALANTS



ADHESIVE
PACKAGING
SPECIALTIES



WELD MOUNT
ADHESIVELY BONDED FASTENING SYSTEMS



CLIFTON
Adhesive, Inc
Industrial Adhesives & Coatings

IMPORTANT: The information contained herein is believed to be correct to the best of our knowledge. However, the recommendations and suggestions herein are made without guarantee or representation as to results. It is the purchaser's responsibility to test and determine the suitability of the product for the purchaser's intended use and purpose. Purchaser assumes all risk and liability whatsoever regarding such suitability. Any product samples provided for testing are provided in accordance with standard limited warranties as stated on our technical data sheets.

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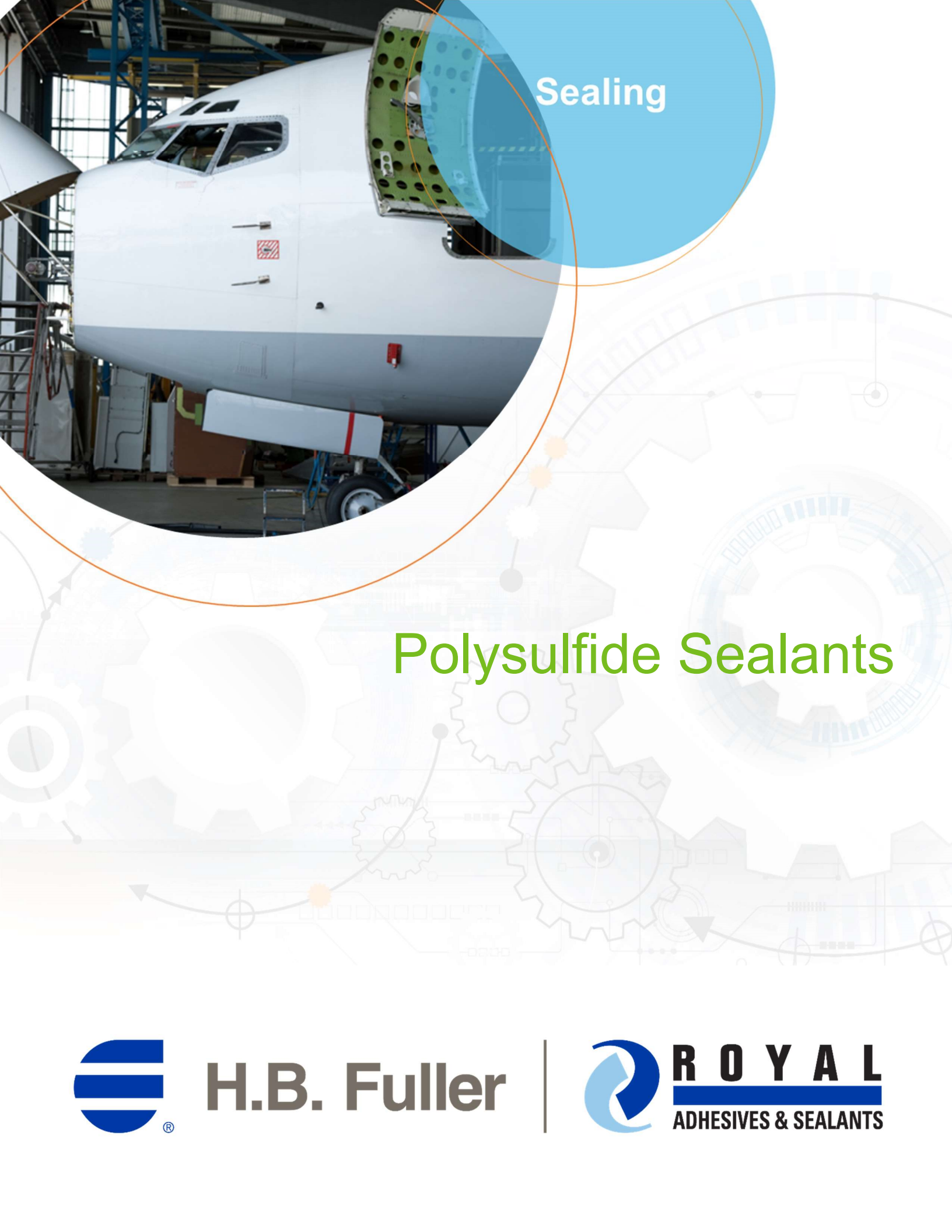
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Sealing

Polysulfide Sealants



H.B. Fuller



ROYAL
ADHESIVES & SEALANTS

Polysulfides



Polysulfide

Polysulfides are one of the oldest specialty elastomers on the market. Due to their unique performance properties, they continue to be a leading segment of the elastomeric sealant market and primary chemistry for critical Aerospace applications.

Why Polysulfide?

- Provides Excellent Flexibility, Tensile & Elongation Properties
- Superior Aviation Fuels, Hydraulic fluids, Oils and Water Resistance
- Excellent Adhesion to Common Aircraft Substrates
- Good Low & High Temperature Properties
- Can Be Sanded and Painted

Why H.B. Fuller Sealants?

- Diverse portfolio
- Conventional and Advanced Technology Sealants
- Light Weight and Rapid Cure
- Numerous Military and Commercial qualifications

Why Seal?

- Ensure Fuel Containment
- Cabin/Fuselage Sealing
- Windshield sealing
- Aerodynamic Smoothing
- Access doors
- Corrosion Protection

Common Applications:

- Integral Fuel tank -60%
- Cabin pressurization – 30%
- Aero smoothing – 5%
- Other/Specialty- 5%
 - Windows and canopies
 - Access doors
 - Electrically /thermally conductive



Polysulfide Sealants



Polysulfide Product Recommendations

Material	Application	Brand Mfg. Location	Work Life	Color	Specific Gravity	Ultimate Hardness	Specifications
WS-8010 Class B	Access door sealant, fillet grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Red/ Pink	1.45	43 shore A	AMS-3284 Type I Obs: MIL-S-8784
WS-8020 Class B	General purpose fuel tank sealant, extrusion grade	Royal Sealants Wilmington, CA	B-2 B-4	Dark Gray	1.52	52 shore A	AMS-8802 Cessna CMNP021
WS-8020RC Class A	Fast cure, fuel tank sealant, general purpose, high temperature, brush grade	Royal Sealants Wilmington, CA	A-1/2 A-2	Dark Gray	1.43	45 shore A	AMS-8802 AMS-3276 Cessna CMNP021
WS-8020RC Class B	Rapid cure, fuel tank sealant, general purpose, high temperature, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2 B-4 B-6 B-12	Dark Gray	1.45	52 shore A	AMS-8802 AMS-3276 Lockheed Martin FW FMS-1044 Cessna CMNP021 CMNP093
WS-8030 Class B	Lightweight fuel tank sealant, high temperature resistant, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Dark Gray	1.25	51 Shore A	AMS-3281 Type 1
WS-8031 Class B	Lightweight fuel tank sealant, high temperature resistant, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Dark Gray	1.05	48 Shore A	AMS-3281 Type 3
WS-8032 Class B	Lightweight fuel tank sealant, high temperature resistant, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Dark Gray	1.15	45 shore A	AMS-3281 Type 2 KAI A84MS0022
WS-8032 Class C	Lightweight fuel tank sealant, high temperature resistant, roller grade	Royal Sealants Wilmington, CA	C-8	Dark Gray	1.1	48 shore A	AMS-3281 Type 2 KAI A84MS0022
WS-8032S Class B	Lightweight, rapid-cure fuel tank sealant, and non-chromated pressure and environmental sealant, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Dark Gray	1.1	48 shore A	Bombardier BAMS552-008 BAMS552-009
WS-8032S Class C	fuel tank and non and pressure and environmental sealant, roller grade	Royal Sealants Wilmington, CA	C-8 C-48	Dark Gray	1.48	45 shore A	Bombardier BAMS552-008 BAMS552-009
S-8033 Class B	Lightweight fuel tank sealant, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Dark Gray	1.1	48 shore A	Embraer MEP 09-084
WS-8035 Class A	Rapid-cure, fuel tank sealant, brush grade	Royal Sealants Wilmington, CA	A-2	Dark Gray	1.45	35 shore A	Boeing BMS5-184
WS-8035 Class B	Lightweight, rapid-cure fuel tank sealant, and general-purpose sealant, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Dark Gray	1.1	48 shore A	Boeing BMS5-184
WS-8070 Class B	Corrosion-inhibitive sealant, extrusion grade	Royal Sealants Wilmington, CA	B-1/2 B-2	Gray	1.44	43 shore A	MIL-PRF-81733 Cessna CMP007* (*B2 only) Lockheed Marietta STM40-111



**Structural
Adhesives**



Structural Adhesives for Composite and Metal Bonding



Structural Epoxies

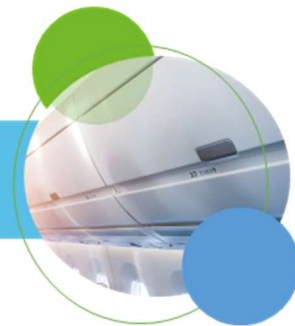


Structural Epoxies

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Overlap Shear (Aluminum)	Type of Product	Specifications
EY2536	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Excellent Sag Resistance Excellent Bonding to Metals, Composites, Coatings Excellent Thermal Performance 	H.B. Fuller Grand Rapids, MI	Off White	0.51	1300 psi	Edge Fill/ Structural Adhesive	Weber WMS 39 DPM 5357-1, DPS 1.901 REV. M TYPE 1
EY2562	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Pourable, lightweight edge-filler or insert potting Cures in thickness up to 1" at room temp 	H.B. Fuller Grand Rapids, MI	Off White	0.84	11.0 MPa (1600 psi)	Structural Adhesive	Aermacchi MDL 8027 Type 7, Rev 1 MDL 8028
EY0540-0043	<ul style="list-style-type: none"> Unfilled, medium viscosity laminating system For use in high temperature plastic tooling Suitable for small tool fabrication 	H.B. Fuller Grand Rapids, MI	Amber	1.05		Structural Adhesive	Boeing BMS8-207 Rev D Type 1 Class 2
EY3010	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Meets NASA limits for Low Volatile Content Excellent Chemical Resistance Excellent Sag Resistance Even Through Powder Coating 	H.B. Fuller Grand Rapids, MI	Light Blue	0.58	11.0 MPa (1600 psi)	Core Fill/ Structural Adhesive	Martin Marietta 2308571 LAC 30-8036 A COMS-0006 REV.B CASA I+D-N-200 Z-18.167/1 REV.3
EY3211	<ul style="list-style-type: none"> No solvents, plasticizers, or low volatile components Good chemical, electrical and physical properties. 	H.B. Fuller Grand Rapids, MI	Yellow	1.15		Potting Compound	McDonnell Douglas DPM 5357-1 (DPS 1.901 REV. M Type 1)
EY3804	<ul style="list-style-type: none"> For field repair of composite materials Excellent resistance to hot water immersion Considered a permanent repair up to 200°F 	H.B. Fuller Grand Rapids, MI	Gray	1.22	26.9 MPa	Structural Adhesive	Boeing BMS8-301 Rev H Class 2
EY4014	<ul style="list-style-type: none"> Excellent Bonding to Metals, Composites, Coatings & plastics Excellent Chemical Resistance High sheer strength at temperature 100% Reactive 	H.B. Fuller Grand Rapids, MI	Light Yellow	1.15	24.1 MPa (3500 psi)	Structural Adhesive	Martin Marietta STM GM535B DPM 1132 DPS 1.07-39 REV. AB STM G-M535C CLASS A
FD4120S	<ul style="list-style-type: none"> Epoxy polysulfide Hybrid Provides bonding, gap filling and sealant properties Capable of Withstanding High Thermal Expansion Mismatches 	H.B. Fuller Grand Rapids, MI	Gray	1.34		Structural Adhesive	MIS 31838E, Lockheed Martin - Vought Systems
FE0004	<ul style="list-style-type: none"> Exceptional structural strength and physical properties at 180°F General purpose bonding where high integrity bonds are needed 	H.B. Fuller Grand Rapids, MI	Tan	1.32	26.5 MPa (3850 psi)	Structural Adhesive	Fed Spec MMM-A-134
FE6026	<ul style="list-style-type: none"> Exceptional structural strength and physical properties at 180°F General bonding for high integrity bonds Excellent Bonding to Metals, Wood, Coatings, Ceramics, Glass and Most Plastics 	H.B. Fuller Grand Rapids, MI	Tan	1.32	17.2 MPa (2500 psi)	Structural Adhesive	
FE7004	<ul style="list-style-type: none"> Our most Versatile two-part adhesive Adjustable mix ratio (1:1 by volume (flexible) to 2:1 by volume (rigid) High sheer strength and high impact 	H.B. Fuller Grand Rapids, MI	Amber	1.09	17.2 MPa (rigid ratio) 35.9 MPa (flexible ratio)	Structural Adhesive	Control Data Drawing #16305000 LMS11825-1 Honeywell FMC 9681-01 Lockheed Martin: Drawing #0351A0028
FH1438	<ul style="list-style-type: none"> Thermal Conductivity: 0.23 W/mK at 33°C Particularly suitable for surface mount components Low modulus material provides dampening and vibration resistance Exceptional resistance to saltwater, Fuel C and thermal cycling 	H.B. Fuller Grand Rapids, MI	Gray	1.2	670 kPa (97 psi)	Electrical Potting/En capsulant	Certified to meet UL94-V0



Structural Polyurethanes



Structural Polyurethanes

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Overlap Shear (Aluminum)	Type of Product	Specifications
FH3140	<ul style="list-style-type: none"> • Insensitive to Typical Environmental Moisture • Excellent Hydrolytic Stability • Low Viscosity • Long Pot Life for Vacuuming • No TDI, No 4,4'-Methylene-bis (2-Chloroaniline) 	H.B. Fuller Grand Rapids, MI	Brown	1.00	58 Shore A	Casting and Encapsulation Compound	
FE3503	<ul style="list-style-type: none"> • High Abrasion Resistance • Insensitive to Typical Environmental Moisture • Low Viscosity • Excellent bond strength to a variety of substrates • No MDA, TDI, or MOCA 	H.B. Fuller Grand Rapids, MI	Light Amber Semi-transparent	1.06	90 Shore A	Casting and Encapsulation Compound	Martin Marietta 0351A0179
FH3548	<ul style="list-style-type: none"> • Low shrinkage • Abrasion resistant • Insensitive to Typical Environmental Moisture • Low Viscosity • No TDI, TDA or MOCA 	H.B. Fuller Grand Rapids, MI	Amber Brown			Casting and Encapsulation Compound	
UR1100	<ul style="list-style-type: none"> • High adhesion strength at thin bond lines (<0.1mm bond thickness) • One component (no mixing), easy to dispense • Thixotropic, non-sag • Non-conductive, non-corrosive • High modulus and impact strength 	H.B. Fuller Grand Rapids, MI	Pale Blue	1.14	27.3 MPa (3957 psi)	Structural Adhesive	
UR2139	<ul style="list-style-type: none"> • No solvents, plasticizers, or low volatile components • Extremely good plastic adhesive • Excellent moisture penetration seal • Extreme environmental and abrasion resistance • Non-conductive, non-corrosive • Outstanding chemical resistance • High impact strength • Will not induce stress cracking in polycarbonate or polyethylene parts 	H.B. Fuller Grand Rapids, MI	Colorless	1.05	10.8 MPa (1570 psi)	Structural Adhesive	Northrop MS 479A Part no. 200031
UR3507	<ul style="list-style-type: none"> • No solvents, plasticizers, or low volatile components • Excellent moisture penetration seal • Non-conductive, non-corrosive • High impact strength • Will not induce stress cracking in PC or PE parts 	H.B. Fuller Grand Rapids, MI	Yellow	1.05	15.63 MPa (2270 psi)	Structural Adhesive	
UR4515G	<ul style="list-style-type: none"> • High lap shear strength, good thixotropy • No solvents, plasticizers, or low volatile components • Excellent moisture penetration seal • Non-conductive, non-corrosive 	H.B. Fuller Grand Rapids, MI	Green	1.25	25.96 MPa (3765 psi)	Structural Adhesive	MIS 31867 Rev. G

Flame Retardant Epoxies



Flame Retardant Epoxies

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Overlap Shear (Aluminum)	Type of Product	Specifications
EY2536	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Excellent Sag Resistance Extremely Light Weight Excellent Chemical Resistance Excellent Bonding to Metals, Composites, Coatings Excellent Thermal Performance 	H.B. Fuller Grand Rapids, MI	Off White	0.51	1300 psi	Edge Fill/ Structural Adhesive	Weber WMS 39 DPM 5357-1, DPS 1.901 REV. M TYPE 1
EY2562	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Pourable, lightweight edge-filler or insert potting Cures in thickness up to 1" at room temp 	H.B. Fuller Grand Rapids, MI	Off White	0.84	11.0 MPa (1600 psi)	Insert Attachments / Structural Adhesive	MDL 8027 Type 7, Rev 1 MDL 8028
EY3010	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Meets NASA limits for Low Volatile Content Extremely Light Weight Insert potting for honeycomb panels Excellent Chemical Resistance Excellent Sag Resistance Even Through Powder Coating 	H.B. Fuller Grand Rapids, MI	Light Blue	0.58	11.0 MPa (1600 psi)	Core Fill/ Structural Adhesive	Martin Marietta 2308571 LAC 30-8036 A COMS-0006 REV.B CASA I+D-N-200 Z-18.167/1 REV.3
EY4014	<ul style="list-style-type: none"> Excellent Bonding to Metals, Composites, Coatings & plastics Excellent Chemical Resistance High sheer strength at temperature 100% Reactive 	H.B. Fuller Grand Rapids, MI	Light Yellow	1.15	24.1 MPa (3500 psi)	Structural Adhesive	Martin Marietta STM GM535B DPM 1132 DPS 1.07-39 REV. AB STM G-M535C CLASS A
FH1438	<ul style="list-style-type: none"> Thermal Conductivity: 0.23 W/mK at 33°C Particularly suitable for surface mount components Low modulus material provides dampening and vibration resistance Exceptional resistance to saltwater, Fuel C and thermal cycling 	H.B. Fuller Grand Rapids, MI	Gray	1.2	670 kPa (97 psi)	Electrical Potting/Encapsulant	Certified to meet UL94-V0
42355 /52355	<ul style="list-style-type: none"> Operating Temp: -60 to 160°C Thermal Conductivity: 0.426 W/mK 	Hardman South Bend, IN	Black	1.52	10,500 psi	Electrical Potting/ Encapsulant	UL-94-V0 flame rating at 0.250"
45119 /55119	<ul style="list-style-type: none"> Low Exotherm Semi-flexible Thermal Conductivity: 0.64 W/mK 	Hardman South Bend, IN	Black	1.51	2,681 psi	Electrical Potting/ Encapsulant	UL-94-V0 flame rating at 0.250"
49174 /50114	<ul style="list-style-type: none"> Thermal Conductivity: 0.00031 cal/s/cm°C Rigid, medium viscosity Very good thermal conductivity Long working life 	Hardman South Bend, IN	Black	1.43	4,380 psi	Electrical Potting/ Encapsulant	UL-94-V0 flame rating at 0.250"
49174 /59174	<ul style="list-style-type: none"> Semi-rigid Very good thermal conductivity Long working life Thermal Conductivity: 0.42 W/mK 	Hardman South Bend, IN	Black	1.43	2,030 psi	Electrical Potting/ Encapsulant	UL-94-V0 flame rating at 0.250"



Flame Retardant Polyurethanes



Flame Retardant Polyurethanes

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Type of Product	Specifications
Swift®bond 2U050	<ul style="list-style-type: none"> 100% solid, no solvents, plasticizers or VOCs Flame retardant Excellent heat, cold and creep resistance High bond strength and good heat resistance Excellent environmental and chemical resistance High resistance to delamination in to high humidity Foams slightly during cures to produce a "void filling" bond-line 	H.B. Fuller St. Paul, MN			Structural Adhesive	
46552 /56552	<ul style="list-style-type: none"> Very good flexibility TDI and MOCA free Thermal Conductivity: 0.494 W/mK Excellent hydrolytic stability Noncorrosive for electrical applications 	Hardman South Bend, IN	Blue	1.42	Potting Encapsulant	Meets UL94-V0
45111 /55111	<ul style="list-style-type: none"> Thermal Conductivity: 0.34 W/mK Excellent toughness and impact strength Used in components that must pass Bellcore testing 	Hardman South Bend, IN	Off-White	1.48	Potting Encapsulant	Meets UL94-V0 and UL94-V2
45111 /55415	<ul style="list-style-type: none"> Thermal Conductivity: 0.34 W/mK Excellent toughness and impact strength Can be used in components that must pass Bellcore testing 	Hardman South Bend, IN	Black	1.48	Potting Encapsulant	Meets UL94-V0 and UL94-V2
TS842	<ul style="list-style-type: none"> Thermal Conductivity: 1.0 W/mK Flame retardant Excellent moisture penetration seal Extreme environmental and abrasion resistance Outstanding chemical resistance High impact strength 	Tonsan Beijing, China	Gray	1.760	Structural Adhesive	
42223 /52253	<ul style="list-style-type: none"> Very high flexibility Excellent toughness and impact strength Excellent resilience and vibration resistance Nearly impervious to water exposure during cure process 	Hardman South Bend, IN	Clear		Potting Encapsulant	Meets UL94-V0
42344 /52344	<ul style="list-style-type: none"> Water clear and high optical clarity High flexibility Highly resistance to yellowing and UV light Excellent moisture penetration seal & environmental resistance 	Hardman South Bend, IN	Water Clear	1.07	Potting Encapsulant	Meets UL94-HB
42344 /52371	<ul style="list-style-type: none"> Water clear and high optical clarity High flexibility Highly resistance to yellowing UV light Excellent moisture penetration seal 	Hardman South Bend, IN	Water Clear		Potting Encapsulant	Meets UL94-HB
46552 /56552	<ul style="list-style-type: none"> Very good flexibility TDI and MOCA free Thermal Conductivity: 0.494 W/mK Excellent hydrolytic stability Noncorrosive for and electronics applications 	Hardman South Bend, IN	Blue	1.42	Potting Encapsulant	Meets UL94-V0

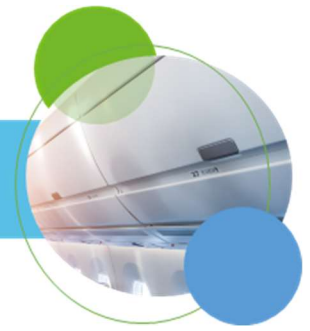
Low Outgassing Epoxies



Low Outgassing Epoxy

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Specifications
CI-9	<ul style="list-style-type: none"> Will meet NASA outgassing requirements Low viscosity system With excellent color stability for coating, bonding and clear casting applications For casting and coating applications For use in the impregnation of fine electronic components 	Bacon Adhesives Irvine, CA	Clear Amber	1.12	
EY3010	<ul style="list-style-type: none"> Will meet NASA limits for Low Volatile Content Self Extinguishing Insert potting for honeycomb panels Excellent Chemical Resistance Excellent Sag Resistance Even Through Powder Coating Processes 	H.B. Fuller Grand Rapids, MI	Light Blue	0.58	Martin Marietta 2308571 LAC 30-8036 A COMS-0006 REV.B CASA I+D-N-200 Z- 18.167/1 REV.3
LCA-4	<ul style="list-style-type: none"> Will meet NASA outgassing requirements "Gyro-grade" Excellent chemical resistance For use in hermetic sealing Good dimensional stability Low coefficient of thermal expansion 	Bacon Adhesives Irvine, CA	Green	1.86	
LCA-4LV	<ul style="list-style-type: none"> Will meet NASA outgassing requirements "Gyro-grade" For use in hermetic sealing of metal, ceramic, glass and other substrates Good dimensional stability Low coefficient of thermal expansion Similar to LCA-4 except longer pot life and lower viscosity 	Bacon Adhesives Irvine, CA	Green	1.86	
LCA-9	<ul style="list-style-type: none"> Will meet NASA outgassing requirements "Gyro-grade" Lowest coefficient of thermal expansion adhesive Good adhesion to aluminum and beryllium Good chemical resistance 	Bacon Adhesives Irvine, CA	Green	1.72	
P-182	<ul style="list-style-type: none"> Highly filled, high-performance system with Low thermal expansion and excellent dimensional stability Will meet NASA outgassing requirements. Non-magnetic High strength, high modulus 	Bacon Adhesives Irvine, CA	Black	1.82	

Low Outgassing Polyurethanes



Low Outgassing Polyurethanes

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Application	Specifications
FLEXOBOND 442 BLACK	<ul style="list-style-type: none"> Thermally conductive For bonding or filling glass diodes or other stress sensitive components Provides a heat flow path Has excellent electrical properties Flexibility and is low outgassing For use on circuit boards 	Bacon Adhesives Irvine, CA	Black	2.0	Potting/ Encapsulation	
Thermally Conductive 442	<ul style="list-style-type: none"> Low outgassing at high temperatures Thermally conductive For bonding or filling glass diodes or other stress sensitive components Excellent electrical properties Flexible outgassing For use on circuit boards 	Bacon Adhesives Irvine, CA	Gray Black	2.0	Potting/ Encapsulation	
2140/2111	<ul style="list-style-type: none"> Thermal Conductivity: 0.426 W/mK Excellent high temperature resistance and low temperature flexibility Designed for cohesive failure Excellent shelf life stability; no mixing or stirring required Low outgassing at high temperatures Fast set time for high speed production processes 	H.B. Fuller Grand Rapids, MI	Black	1.56	Structural Adhesive	

New Product Introductions: Coming Soon!

Material	Features and Benefits	Brand Mfg. Location	Specific Gravity (g/cc)	Compressive Strength	Compressive Modulus	Type of Product	Specifications
EY3836	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Excellent Sag Resistance Extremely Light Weight 	H.B. Fuller Fiber Resins	0.48	3,100 psi	119 ksi	Light Weight Void Filler	
EY2563	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Pourable, lightweight edge-filler or insert potting Excellent Sag Resistance Extremely Light Weight 	H.B. Fuller Fiber Resins	0.84	12,600 psi	256 ksi	Insert Potting	
EY2576	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Extremely Light Weight Insert potting for honeycomb panels 	H.B. Fuller Fiber Resins	0.7	6,500 psi	224 ksi	Light Weight Void Filler	
EY2676	<ul style="list-style-type: none"> Self Extinguishing, Flame retardant Excellent Sag Resistance Extremely Light Weight 	H.B. Fuller Fiber Resins	0.78			Light Weight Void Filler	



Avionics

Avionics Adhesives and Coatings



Conformal Coatings

Conformal Coatings



Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Specifications
FH1270	<ul style="list-style-type: none"> Designed for brush application or spraying Well suited for coating SMT or through-hole printed circuit boards Outstanding long term hydrolytic stability & electrical properties, for extended reliability life Superior short-term humidity and 48-hour pressure cooker exposure testing Non-conductive, non-corrosive High Impact Strength Low viscosity, unfilled material 	H.B. Fuller Grand Rapids, MI	Transparent	1.02	Raytheon HMS 16-1847 REV M, Type II, Class 1
FH1271	<ul style="list-style-type: none"> Low viscosity version of 1270 A/B Outstanding long term hydrolytic stability & electrical properties, for extended reliability life Superior short-term humidity and 48-hour pressure cooker exposure testing Non-conductive, non-corrosive High impact strength Adjustable mix ratio, (100:100) or (150:100) High solids conformal coating application Contains UV tracer 	H.B. Fuller Grand Rapids, MI	Transparent	1.01	Raytheon HMS 16-1847 REV M, Type I, Class 1
FH1272	<ul style="list-style-type: none"> Designed for brush application or spraying Ideal edge & wire bond coverage Long term hydrolytic stability and electrical properties, for extended reliability life Superior short-term humidity and 48-hour pressure cooker exposure testing Non-conductive, non-corrosive High impact strength Flexible and abrasion resistant Outstanding chemical resistance to many solvents High solids conformal coating application 	H.B. Fuller Grand Rapids, MI	Transparent	1.5A 1.13B	Raytheon HMS 16-2148 REV L, Type II Class 1, Grade A
FH1273	<ul style="list-style-type: none"> Low viscosity version of FH1272 A/B. Long term hydrolytic stability & electrical properties for extended reliability life Superior short-term humidity and 48-hour pressure cooker exposure testing Non-conductive, non-corrosive High impact strength Flexible and abrasion resistant Outstanding chemical resistance to many solvents High solids conformal coating application Exhibits excellent resistance to age hardening Exceptional salt water and Fuel C resistance 	H.B. Fuller Grand Rapids, MI	Transparent	1.27	Raytheon HMS 16-2148 REV L, Type I, Class 1, Grade A



Conductive Epoxies

Thermally and Electrically Conductive Epoxies



Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Type of Product	Specifications
FE0004	<ul style="list-style-type: none"> Excellent Chemical Resistance Thermal Conductivity: 0.414 W/mK Excellent Thermal Performance 100% Reactive 	H.B. Fuller Grand Rapids, MI	Tan	1.31	Structural Adhesive	SAE AMS 3690A, MMM-A-134, Type I & II, MIL-A-8623 Type I & II
FH8006	<ul style="list-style-type: none"> 0.2 W/m-K Reworkable without damage to the attach pad High reliability design for portable device Pot life extend to 3 days 	H.B. Fuller Yantai, China	Black	1.13	Encapsulant Underfill	
FH8009	<ul style="list-style-type: none"> 0.2 W/m-K Reworkable without damage to the attach pad High reliability design for portable device Pot life extend to 3 days Ideal material capillary flow properties 	H.B. Fuller Yantai, China	Semi-Transparent	1.15	Encapsulant Underfill	
LCA-24	<ul style="list-style-type: none"> Silver filled epoxy adhesive High thermal conductivity Electrically conductive Cold-joint solder replacement Better long-term conductivity stability For use in making electrical connections in applications 	Bacon Adhesives Irvine, CA	Silver	2.70		
LCA-50	<ul style="list-style-type: none"> Thermally conductive filled adhesive Excellent bond strength Electrically insulating epoxy adhesive Excellent adhesion to aluminum and hard to bond substrates Good chemical resistance including gyro fluids 	Bacon Adhesives Irvine, CA	Black	1.93		
FH8006	<ul style="list-style-type: none"> 0.2 W/m-K Reworkable without damage to the attach pad High reliability design for portable device Pot life extend to 3 days 	H.B. Fuller Yantai, China	Black	1.13	Encapsulant Underfill	
FH8009	<ul style="list-style-type: none"> 0.2 W/m-K Reworkable without damage to the attach pad High reliability design for portable device Pot life extend to 3 days Ideal material capillary flow properties 	H.B. Fuller Yantai, China	Semi-Transparent	1.15	Encapsulant Underfill	
MP5404-FS	<ul style="list-style-type: none"> -40 to 205°C (-40 to 400°F) operating temp 0.41 W/mK Non-Sag Paste Excellent Chemical Resistance Excellent Thermal Performance 	ASI Frankfort, IL	Gray	1.41	Structural Adhesive	
42355 /52355	<ul style="list-style-type: none"> Passes UL-94-V0 flame rating at 0.250" Passes FM 3600 for chemical resistance Operating Temp: -60 to 160°C Thermal Conductivity: 0.426 W/mK 	Hardman South Bend, IN	Black	1.52	Electrical Potting/ Encapsulant	UL-94-V0 flame rating at 0.250" and FM-3600
45119 /55119	<ul style="list-style-type: none"> Low Exotherm Semi-flexible Thermal Conductivity: 0.64 W/mK 	Hardman South Bend, IN	Black	1.51	Electrical Potting/ Encapsulant	UL-94-V0 flame rating at 0.250"
45137 /55137	<ul style="list-style-type: none"> UL recognized TVLE2.E189694 Very low shrinkage Thermal Conductivity: 1.2 W/mK 	Hardman South Bend, IN	Red	1.57	Electrical Potting/ Encapsulant	UL recognized TVLE2.E189694
49174 /50114	<ul style="list-style-type: none"> Thermal Conductivity: 0.00031 cal/s/cm/°C Rigid, medium viscosity Long working life 	Hardman South Bend, IN	Black	1.43	Electrical Potting/ Encapsulant	UL-94-V0 flame rating at 0.250"
49174 /59174	<ul style="list-style-type: none"> Semi-rigid Very good thermal conductivity Long working life Thermal Conductivity: 0.42 W/mK 	Hardman South Bend, IN	Black	1.43	Electrical Potting Compound	UL-94-V0 flame rating at 0.250"



Conductive Polyurethanes



Thermally and Electrically Conductive Polyurethanes

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Type of Product	Specifications
FLEXOBOND 442 BLACK	<ul style="list-style-type: none"> Thermally conductive Bonding or filling glass diodes or sensitive components Has excellent electrical properties Flexibility and is low outgassing For use on circuit boards 	Bacon Adhesives Irvine, CA	Black	2.0	Potting and Encapsulation	
Thermally Conductive 442	<ul style="list-style-type: none"> Low outgassing at high temperatures Thermally conductive Bonding or filling glass diodes or sensitive components Excellent electrical properties Flexible outgassing For use on circuit boards 	Bacon Adhesives Irvine, CA	Gray Black	2.0	Potting and Encapsulation	
47621/57621	<ul style="list-style-type: none"> Very fast setting Very low viscosity and excellent flow Fast setting and solvent free Excellent flexibility Tough and abrasion resistant Excellent adhesion to polyester films 	Hardman South Bend, IN	Black	1.06	Coating Material	
42166/52166	<ul style="list-style-type: none"> Thermal Conductivity: 3.2 E -4 cal·cm/s·cm²·°C Very soft, re-enterable urethane Very low shrinkage TDI and MOCA free Excellent hydrolytic stability Non-corrosive for electronics applications 	Hardman South Bend, IN	Light Amber	0.95	Potting Encapsulant	
45111 /55111	<ul style="list-style-type: none"> Thermal Conductivity: 0.34 W/mK Excellent toughness and impact strength System can be used in components in Bellcore testing 	Hardman South Bend, IN	Off-White	1.48	Potting Encapsulant	Meets UL94-V0 and UL94-V2
2140 /2111	<ul style="list-style-type: none"> Thermal Conductivity: 0.426 W/mK Excellent high temperature resistance and low temperature flexibility Excellent shelf life stability; no mixing or stirring required Low outgassing at high temperatures Fast set time for high speed production processes 	H.B. Fuller Grand Rapids, MI	Black	1.56	Structural Adhesive	
Körapur 863	<ul style="list-style-type: none"> Well suitable for the manufacture of sandwich elements Wide application range Long open time Good resistance to humidity and weathering 	Kömmerling Pirmasens, Germany	Beige	1.55	Structural Adhesive	
TL0600	<ul style="list-style-type: none"> Excellent bond strength to a variety of substrates Low Exotherm Excellent Hydrolytic Stability No Solvents, Plasticizers, or Diluents Used in Medical Devices 	H.B. Fuller Grand Rapids, MI	Amber	1.8	Structural Adhesive	
TS842	<ul style="list-style-type: none"> Thermal Conductivity: 1.0 W/mK Flame retardant Odorless Excellent moisture penetration seal Extreme environmental and abrasion resistance Outstanding chemical resistance High impact strength 	Tonsan Beijing, China	Gray	1.760	Structural Adhesive	
UR4512	<ul style="list-style-type: none"> No solvents, plasticizers, or volatile components Excellent moisture penetration seal Non-conductive, non-corrosive Outstanding chemical resistance High impact strength Will not induce stress cracking in PC or PU parts 	H.B. Fuller Grand Rapids MI	Colorless	1.12	Structural Adhesive	



Conductive Silicones



Conductive Silicones

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Typical Applications	Specifications
1521	<ul style="list-style-type: none"> Thermal Conductivity: 0.30 W/mK Electrical Potting, Sealing Low viscosity enabling flow and some self-leveling Electronics potting and encapsulation applications Fast setting and fast curing enabling reduced production times 	Tonsan Beijing, China	White	1.4	Electrical Potting, Connector Sealing	UL Certified
1522	<ul style="list-style-type: none"> Low odor and non-corrosive Outstanding weather and aging resistance High adhesion to a variety of materials including, glass, aluminum and composites Outstanding UV resistance, making it ideal for interior and exterior applications 	Tonsan Beijing, China	Black		Interior and Exterior Bonding, Sealing, Encapsulation	UL Certified
1533	<ul style="list-style-type: none"> Thermal Conductivity: 0.30 W/mK Low odor and non-corrosive Very low viscosity capable of flowing into small gaps Excellent weather, high temperature, and hot damp heat conditioning resistance 	Tonsan Beijing, China	Black, White	1.26	Electronics potting	UL94-V0 Certified
1535	<ul style="list-style-type: none"> Thermal Conductivity: 1.8 W/mK Thermal conductive encapsulation Protects leads from mechanical shock Low odor Neutral, non-corrosive 	Tonsan Beijing, China	White	2.60	Thermal conductive encapsulation Protects leads from mechanical shock	UL Certified
2532	<ul style="list-style-type: none"> Thermal Conductivity: 0.8 W/mK Halogen free, RoHS compliant Low odor and non-corrosive Excellent weather and high temperature resistance 	Tonsan Beijing, China	Gray	1.6	Electronics potting, thermal interface material	Meets UL94-V0
SC-10	<ul style="list-style-type: none"> Mineral filled silicone compound High thermal conductivity Good thermal stability Excellent electrical properties For use in electronic applications requiring a heat conductive encapsulant Pourable, cuttable 	Bacon Adhesives Irvine, CA	Turquoise	2.16		
SC-14A	<ul style="list-style-type: none"> Mineral filled silicone compound High thermal conductivity Excellent electrical properties For use in electronic applications requiring a heat conductive encapsulant Pourable, cuttable 	Bacon Adhesives Irvine, CA	White	1.8	Electronic applications requiring a heat conductive encapsulant	
SC-17	<ul style="list-style-type: none"> Mineral filled silicone compound High thermal conductivity Good thermal stability Excellent electrical properties Similar cured properties as SC-10 except color, hardness and shorter cure time 	Bacon Adhesives Irvine, CA	White	2.23	Electronic applications requiring a heat conductive encapsulant	

Casting Elastomers



Casting Elastomers

Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Hardness	Type of Product	Specificati ons
FH3138	<ul style="list-style-type: none"> • Insensitive to Typical Environmental Moisture • Low Viscosity • Long Work Life • No MDA, TDI, or MOCA 	H.B. Fuller Grand Rapids, MI	Brown	1.0	25 Shore A	Casting and Encapsulati on Compound	
FH3140	<ul style="list-style-type: none"> • Insensitive to Typical Environmental Moisture • Excellent Hydrolytic Stability • Low Viscosity • Long Pot Life for Vacuuming • Improved Heat and Chemical Resistance • Long Service Life • No TDI, No 4,4'-Methylene-bis (2-Chloroaniline) 	H.B. Fuller Grand Rapids, MI	Brown	1.00	58 Shore A	Casting and Encapsulati on Compound	Navy 6665876
FH3500	<ul style="list-style-type: none"> • Insensitive to Typical Environmental Moisture • Fast curing • Low Viscosity • Excellent bond strength to a variety of substrates • No MDA, TDI, or MOCA 	H.B. Fuller Grand Rapids, MI	Light Brown Semi-transp arent	1.04	70 Shore D	Casting and Encapsulati on Compound	
FH3503	<ul style="list-style-type: none"> • High Abrasion Resistance • Insensitive to Typical Environmental Moisture • Longer Pot Life • Low Viscosity • Excellent bond strength to a variety of substrates • No MDA, TDI, or MOCA 	H.B. Fuller Grand Rapids, MI	Light Amber Semi-transp arent	1.06	90 Shore A	Casting and Encapsulati on Compound	Martin Marietta 0351A0179
FH3530	<ul style="list-style-type: none"> • Fungus resistant - does not support fungus growth • Low shrinkage, self-leveling • Fast curing • Does not stress crack PC or PE • Non corrosive to metals • Insensitive to Typical Environmental Moisture • Excellent salt water resistance • Excellent bond strength to a wide variety of substrates • No MDA, TDI, or MOCA 	H.B. Fuller Grand Rapids, MI	Amber	1.03	80 Shore A	Casting and Encapsulati on Compound	CSNP010, Rev. H, Type II, Class B1
FH3548	<ul style="list-style-type: none"> • Low shrinkage • Abrasion resistant • Insensitive to Typical Environmental Moisture • Low Viscosity • No MDA, TDI, or MOCA 	H.B. Fuller Grand Rapids, MI	Amber Brown	1.05	95 Shore A, 45 Shore D	Casting and Encapsulati on Compound	
FH3911	<ul style="list-style-type: none"> • Excellent bond strength to a variety of substrates • Low Exotherm • No MDA, TDI, or MOCA • Excellent Hydrolytic Stability • No Solvents, Plasticizers, or Diluents • Approved for use in Medical Devices 	H.B. Fuller Grand Rapids, MI	Colorl ess	1.05	93 Shore A	Casting and Encapsulati on Compound	
46788 /51165	<ul style="list-style-type: none"> • Very low viscosity • Machinable • Quick demolding time • Produces excellent detail with minimal air entrapment • Non-mercury catalyst • TDI and MOCA free 	Hardman South Bend, IN	Off- White	1.44	80 Shore D	Casting and Tooling Resin	

Weld Mount



Weld Mount Adhesively Bonded Fasteners



H.B. Fuller



WELD MOUNT®
ADHESIVELY BONDED FASTENING SYSTEMS

Weld Mount Adhesively Bonded Fasteners



Weld Mount Fasteners

The Weld Mount System is a unique line of fasteners designed to be adhesively bonded to almost any substrate.

We offer wire tie mounts, hose and cable clamps, studs, standoffs, floating nut plates and other mounting solutions. All our fasteners are mounted with our unique non-sag acrylic adhesives which hold the parts in place on a vertical or overhead surface providing permanent high strength bonds. Our adhesives create structural bonds which provide as much as 2,700 lbs. of tensile strength in 20 to 30 minutes.

Our system can be easily installed without extensive training eliminating the high cost associated with welding or drilling and tapping.

HOW DOES IT WORK?



1
Mount the 2 part adhesive cartridge into the dispenser and mount the replaceable mixing tip.



2
Squeeze the handle to dispense a small amount of adhesive onto the bottom of the part.



3
Firmly push the part onto the substrate until the adhesive squeezes out from under the base.



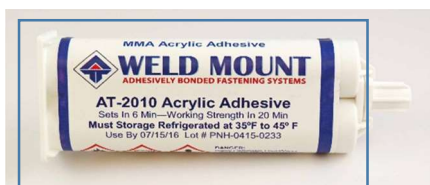
4
Depending on the adhesive selected the fastener is ready for use in 15 – 45 minutes.

Weld Mount Adhesives

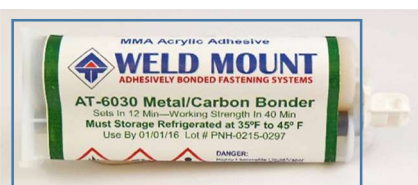


Weld Mount Adhesives

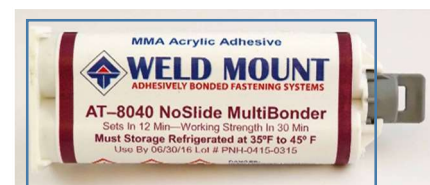
Adhesives						
Product	Chemistry	Substrates	Benefits and Features	Cure Profile	Dispense Gun	Static Mix Tip
AT-2010	Acrylic	Fiberglass	Ideal for a fast-paced work environment	Room Temp Cure Set time: 6 mins Working strength: 18 mins Full cure: 24 hours	AT-300	AT-850 3.25" Mix Tip
AT-6030	Acrylic	Metal Carbon	Best for Metal Bonding 10:1 cartridge	Room Temp Cure Set time: 15 mins Working strength: 45 mins Full cure: 24 hours	AT-301	AT-650 3.5" Mix Tip
AT-8040	Acrylic	Almost all substrates (except low energy and rubber)	Non-slide General Purpose Bonder 30 ml cartridge. Seal cap included	Room Temp Cure Set time: 12 mins Working strength: 40 mins Full cure: 24 hours	AT-300	AT-850 3.25" Mix Tip
AT-804030	Acrylic	Almost all substrates (except low energy and rubber)	Non-slide General Purpose Bonder 30 ml cartridge. Seal cap included	Room Temp Cure Set time: 12 mins Working strength: 40 mins Full cure: 24 hours	Built In	Built In
AT-880	Acrylic	Polypropylene, HDPE, LDPE, PPE, UHMW, ABS Polycarbonate, Aluminum	10 :1 Cartridge Minimal surface preparation	Room Temp Cure Open time: 3 mins Full cure: 24 hours	AT-388	AT-858 3.25" Mix Tip



AT-2010



AT-6030



AT-8040



Weld Mount Kits



Weld Mount Kits

Fastener Kits		
Product Number	Description	Contents
AT-1050 Retail Wire Tie Kit	The AT-1050 Weld Mount System is a retail wire tie kit in a clamshell package.	<ul style="list-style-type: none"> • 1 Tube AT-804030 Adhesive (30 ml) • 25 Pieces AT-5 Large White Tie Mount • 2 Mixing Sticks • 1 Plastic Mixing Sheet • Complete Step by Step Instructions
AT-65100 or AT-65109 (w/o adhesive) Sampler Kit	This kit has a variety of Weld Mount part, and everything you need to try our system at low cost.	<ul style="list-style-type: none"> • 1 Tube AT-8040 Acrylic Adhesive (50 ml) • 1 Piece AT-300 Adhesive Dispensing Gun • 5 Pieces AT-850 Adhesive Mixing Tips • 50 Pieces AT-5 White Tie Mount • 2 Pieces AT-113B Large Black Footman's Strap • 4 Pieces ST125-1420-12SS 1.00" Stainless Stud • 1 Plano Storage Box 11" x 7.25" x 2.75"
AT-7000 or AT-7009 (w/o adhesive) Industrial Maintenance Shop Kit	A wide selection of Weld Mount parts is supplied in a heavy "Durham" metal box.	<ul style="list-style-type: none"> • 1 Tube AT-8040 Acrylic Adhesive • 1 Piece AT-300 Adhesive Dispensing Gun • 10 Pieces AT-850 Adhesive Mixing Tips • 100 Pieces AT-5B Large Black Nylon Tie Mount • 25 Pieces AT-5 Large White Nylon Tie Mount • 30 Pieces AT-3B Small Black Nylon Tie Mounts • 2 Pieces AT-113 Large White Footman's Strap • 2 Pieces AT-113B Large Black Footman's Strap • 25 Pieces AT-7 Aluminum Base Wire Tie Mount • 25 Pieces AT-9 Aluminum Base Wire Tie Mount • 6 Pieces ST125-1420-12SS 0.75" Stainless Stud • 6 Pieces ST125-1420-16SS 1.00" Stainless Stud • 6 Pieces ST125-1024-12SS 0.75" Stainless Stud • 6 Pieces ST125-1024-20SS 1.25" Stainless Stud • 2 Pieces SHC-1000 • 2 Pieces DHC-1000 • 1 Heavy Duty Durham Steel Storage Box 18.5"x12.5"x 3.25"
AT-1001002 or AT-1001009 (w/o adhesive) Executive Adhesive Fastener Kit	This kit is an ideal kit for the full-service yard or custom builder.	<ul style="list-style-type: none"> • 1 Tube AT-8040 Acrylic Adhesive (50 ml) • 1 Piece AT-300 Adhesive Dispensing Gun • 10 Pieces AT-850 Adhesive Mixing Tips • 100 Pieces AT-5 Large White Tie Mount • 50 Pieces AT-3 Small White Tie Mount • 4 Pieces AT-113 Large White Footman's Strap • 4 Pieces PS62-832-16SS 1.00" Stainless Panel Stud • 10 Pieces ST125-1420-16SS Stud 1.00" Stainless Stud • 4 Pieces ST125-1420-24SS Stud 1.50" Stainless Stud • 4 Pieces ST125-1024-12SS Stud 0.75" Stainless Stud • 4 Pieces ST125-1024-24SS Stud 1.50" Stainless Stud • 1 Pieces Plano Storage Box 14" x 9" x 2.75"



Weld Mount Floating Nut Plates



Weld Mount Floating Nut Plates

Floating Nut Plates

Product	Description	Material	Dimensions
FN1420SS	Floating Nut Plate, thru hole and blind mounting applications	304 Stainless/Rubber	(#1/4-20) Thread
FN1024SS	Floating Nut Plate, thru hole and blind mounting applications	304 Stainless/Rubber	(#10 - 24) Threads
FN832SS	Floating Nut Plate, thru hole and blind mounting applications	304 Stainless/Rubber	(#8-32) Thread
FNR-836-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	(#8-36) Thread
FNR-1032-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	(#10-32) Thread
FNR-1428-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	(#1/4-28) Thread
FNR-832-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	(#8-32) Thread
FNR-1024-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	(#1/4-24) Thread
FNR-1420-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	(#1/4-20) Thread
FNR-M407-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	M4 Thread
FNR-M508-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	M5 Thread
FNR-M610-316	Removable Nut Plate, thru hole and blind mounting applications	316 Stainless/Rubber	M6 Thread
FNS-508-M5SS	Sealed Nut Plate, through hole and blind mounting applications	316 Stainless/Rubber	M5 Thread



Weld Mount Hose Clamps



Weld Mount Hose Clamps



Single Hose/ Cable Clamps

Part #	Hose OD	Stud Required	Clamp Dimensions (L x W x D)	Req. Clamp Spacing	Service Temp	Material
SHC-250	0.250" (1/4")	ST125-1420-12SS	0.87" x 0.47" x 0.41"	3 feet	-22° F to +194° F	black polypropylene
SHC-375	0.375" (3/8")	ST125-1420-16SS	1.06" x 0.63" x 0.56"	3 feet	-22° F to +194° F	black polypropylene
SHC-500	0.500" (1/2")	ST125-1420-20SS	1.39" x 0.79" x 0.89"	4 feet	-22° F to +194° F	black polypropylene
SHC-625	0.625" (5/8")	ST125-1420-20SS	1.39" x 0.79" x 0.89"	4 feet	-22° F to +194° F	black polypropylene
SHC-750	0.750" (3/4")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	4 feet	-22° F to +194° F	black polypropylene
SHC-1000	1.000" (1 1/4")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	5 feet	-22° F to +194° F	black polypropylene

Double Hose/ Cable Clamps

Part #	Hose OD	Stud Required	Clamp Dimensions (L x W x D)	Req. Clamp Spacing	Continuous Service Temp	Material
DHC-250	0.250" (1/4")	ST125-1420-12SS	1.22" x 0.47" x 0.41"	3 feet	-22° F to +194° F	black polypropylene
DHC-375	0.375" (3/8")	ST125-1420-16SS	1.54" x 0.63" x 0.57"	3 feet	-22° F to +194° F	black polypropylene
DHC-500	0.500" (1/2")	ST125-1420-20SS	2.08" x 0.79" x 0.89"	4 feet	-22° F to +194° F	black polypropylene
DHC-625	0.625" (5/8")	ST125-1420-20SS	1.39" x 0.79" x 0.89"	4 feet	-22° F to +194° F	black polypropylene
DHC-750	0.750" (3/4")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	4 feet	-22° F to +194° F	black polypropylene
DHC-1000	1.000" (1 1/4")	ST125-1420-28SS	1.65" x 0.79" x 1.18"	5 feet	-22° F to +194° F	black polypropylene



Weld Mount Studs

Weld Mount Studs

Stainless Steel Studs

Product Number	Description	Material	Dimensions	Tensile	Shear	Torque
HS200-3816-12SS	Heavy Load Studs	304 Stainless	0.75" tall x 2.00" diameter	1,200 lbs.	1,500 Lbs.	-
HS200-3816-16SS	Heavy Load Studs	304 Stainless	1.00" tall x 2.00" diameter	1,200 lbs.	1,500 Lbs.	-
HS200-3816-24SS	Heavy Load Studs	304 Stainless	1.50" tall x 2.00" diameter	1,200 lbs.	1,500 Lbs.	-
HS200-3816-32SS	Heavy Load Studs	304 Stainless	2.00" tall x 2.00" diameter	1,200 lbs.	1,500 Lbs.	-
HS200-51618-24SS	Heavy Load Studs	304 Stainless	1.50" tall x 2.00" diameter	1,200 lbs.	1,500 Lbs.	-
PS62-832-12SS	Stud Thread (#8-32) *	304 Stainless	0.75" tall x 0.62" diameter	300 lbs.	375 lbs.	-
PS62-832-16SS	Stud Thread (#8-32)	304 Stainless	1.00" tall x 0.62" diameter	300 lbs.	375 lbs.	-
PS62-832-20SS	Stud Thread (#8-32)	304 Stainless	1.25" tall x 0.62" diameter	300 lbs.	375 lbs.	-
PS62-832-24SS	Stud Thread (#8-32)	304 Stainless	1.50" tall x 0.62" diameter	300 lbs.	375 lbs.	-
PS62-832-8SS	Stud Thread (#8-32)	304 Stainless	0.50" tall x 0.62" diameter	300 lbs.	375 lbs.	-
ST125-1024-12SS	Stud Thread (#10-24)	304 Stainless	0.75" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-16SS	Stud Thread (#10-24)	304 Stainless	1.00" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-20SS	Stud Thread (#10-24)	304 Stainless	1.25" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-24SS	Stud Thread (#10-24)	304 Stainless	1.50" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-28SS	Stud Thread (#10-24)	304 Stainless	1.75" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-32SS	Stud Thread (#10-24)	304 Stainless	2.00" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-36SS	Stud Thread (#10-24)	304 Stainless	2.25" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-40SS	Stud Thread (#10-24)	304 Stainless	2.50" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1024-8SS	Stud Thread (#10-24)	304 Stainless	0.50" tall	500 Lbs.	650 Lbs.	60 inch/Lbs.
ST125-1420-12SS	Stud Thread (1/4-20)	304 Stainless	0.75" tall	500 Lbs.	650 Lbs.	90 inch/Lbs.
ST125-1420-16SS	Stud Thread (1/4-20)	304 Stainless	1.00" tall	500 Lbs.	650 Lbs.	90 inch/Lbs.
ST125-1420-20SS	Stud Thread (1/4-20)	304 Stainless	1.25" tall	500 Lbs.	650 Lbs.	90 inch/Lbs.
ST125-1420-24SS	Stud Thread (1/4-20)	304 Stainless	1.50" tall	500 Lbs.	650 Lbs.	90 inch/Lbs.
ST125-1420-28SS	Stud Thread (1/4-20)	304 Stainless	1.75" tall	500 Lbs.	650 Lbs.	90 inch/Lbs.
ST125-1420-32SS	Stud Thread (1/4-20)	304 Stainless	2.00" tall	500 Lbs.	650 Lbs.	90 inch/Lbs.
ST125-1420-40SS	Stud Thread (1/4-20)	304 Stainless	2.50" tall	500 Lbs.	650 Lbs.	90 inch/Lbs.

*Also available in Metric sizes



Weld Mount Strap and Tie Mounts



Weld Mount Strap and Tie Mounts

trap and Tie Mounts

Product	Description	Material	Dimensions	Pull Out
AT-3	Small Wire Tie Mount	White - Proprietary	0.20" wide	50 Lbs.
AT-3B	Small Wire Tie Mount	Black - Proprietary	0.20" wide	50 Lbs.
AT-5	White Wire Tie Mount	White - Proprietary	0.35" wide	150 Lbs.
AT-5B	Black Wire Tie Mount	Black - Proprietary	0.35" wide	150 Lbs.
AT-6	Natural Tie Mount	Ultem	0.35" wide	150 Lbs.
AT-7	Wire Tie Mount	Anodized Aluminum	0.35" wide 360° swivel	150 Lbs.
AT-8	Wire Tie Mount	5052 Aluminum	Submersible	50 Lbs. tensile
AT-9	Wire Tie Mount	5052 Aluminum	Submersible	250 Lbs. tensile
AT-113	Nylon Strap Mounts	Nylon	3.25" long x 1" wide 1.3" max strap width	300 Lbs.
AT-113B	Nylon Strap Mounts	Nylon	3.25" long x 1" wide 1.3" max strap width	300 Lbs.

Weld Mount Blind Threaded Standoffs



Weld Mount Blind Threaded Standoffs

Blind Threaded Standoff

Product Number	Description	Material	Dimensions	Torque
SOB125-1024-12SS	304 Blind Threaded Standoff	304 Stainless	0.75" Tall x 1.25" diameter	90 inch/Lbs.
SOB125-1420-12SS	304 Blind Threaded Standoff	304 Stainless	0.75" Tall x 1.25" diameter	90 inch/Lbs.
SOB125-51618-12SS	304 Blind Threaded Standoff	304 Stainless	0.75" Tall x 1.25" diameter	90 inch/Lbs.
SOT125-1024-12SS	316 Thru Threaded Standoff	304 Stainless	0.75" Tall x 1.25" diameter	90 inch/Lbs.
SOT125-1420-12SS	316 Thru Threaded Standoff	304 Stainless	0.75" Tall x 1.25" diameter	90 inch/Lbs.
SOT125-51618-12SS	316 Thru Threaded Standoff	304 Stainless	0.75" Tall x 1.25" diameter	90 inch/Lbs.
IW-1024	Insulation Washer	Polypropylene	3" Round	-
SC-1024	Cosmetic Stud Covers for ST125	304 Stainless White Stud Cover	3" diameter for #10 x 24 Studs	-
SC-1420	Cosmetic Stud Covers for ST125	304 Stainless White Stud Cover	3" diameter for 1/4 x 20 Studs	-



A large, white inflatable slide is positioned next to the tail of a white airplane in a hangar. The slide has a ramp and a landing area. The background shows the interior of a hangar with yellow structural beams.

Inflatables

The background of the slide features a complex, light blue and grey pattern of interlocking gears and circuit-like lines, suggesting a technical or industrial theme.

Adhesives and Coatings for Inflatables



H.B. Fuller



CLIFTON
Adhesive, Inc
Industrial Adhesives & Coatings

Adhesives for Inflatables



H.B Fuller offers Adhesives/Coatings for inflatable fabrication, including:

- Seam adhesives to bond coated fabrics
- Radiant reflective aluminized coatings
- Adhesives/Coatings for Deicer boots (wing)

Common substrates we support:

- Polychloroprene
- CSM— Formerly Hypalon (trademark DuPont)
- Polyurethanes
- Elvaloy/PVC blended fabric (XR Mariner fabric)

Typical finished products include:

- Collapsible water/fuel bladders
- Navy seal assault boats
- Hovercraft skirt assembly
- Toxilogical Hoods-Butyl
- Life rafts (up to 50 people)
- Waterproof bags
- Evacuation slides
- Helicopter floats
- Blimp fabrication



Adhesives for Inflatables



Inflatable Product Line Recommendations

Product	Brand Mfg. Location	Description	Substrates
DB7020M1	H.B. Fuller South Bend, IN	High strength adhesive for bonding CSM ("Hypalon"). Excellent heat resistance.	CSM Fabrics, including Hypalon Brand
FA6679	H.B. Fuller South Bend, IN	Nitrile/Phenolic adhesive to bond Nitrile coated or PVC coated fabrics. Exhibits excellent plasticizer and oil resistance	Nitrile or PVC coated fabrics
UR1087	H.B. Fuller South Bend, IN	Bonding of heavy and lightweight materials, including those used for collapsible fuel cells, water tanks, inflatable boats, inflatable evacuation slides and rafts	Polyurethane and PVC coated fabrics
UR1087NOVOC	H.B. Fuller South Bend, IN	Same as UR1087, but formulated as a No VOC/No HAP alternative	Polyurethane and PVC coated fabrics
UR4980	H.B. Fuller South Bend, IN	Used in the manufacturing of RIBS, rafts, and Aerostats. Formulated to minimize UV discoloration of bond line when used with CAT UV catalyst	Polyurethane and PVC coated fabrics
UR5208	H.B. Fuller South Bend, IN	This is a very aggressive adhesive that Bonds the hard to adhere coated fabrics. Excellent heat resistance.	Polyurethane laminated/coated TPU, PVC or Elvaloy (or blended) type coated fabrics
LA4123	H.B. Fuller South Bend, IN	Field Repair. The ease of use and high bond strength achieved with this material make it the best product on the market. Strong Adhesion to CSM Fabrics. Strong Adhesion to PU or PVC coated fabrics	Polyurethane and PVC coated fabrics



Adhesive
Packaging
Specialties



Custom
Engineered
Packaging Solutions

APS[®] ADHESIVE
PACKAGING
SPECIALTIES



Custom Tailored Packaging Solutions Fast, Accurate, Reliable Adhesives, Sealants, Lubricants & More

Whether you are a manufacturer, distributor, chemical management company or end user, you need custom packaging of single and multicomponent chemicals that excel. APS offers our decades of experience in providing custom and confidential solutions, to exacting specifications, for many companies across a wide variety of industries.

Fast Turn-around

- 4-6 days from receipt of material

Customer Focused

- kitting
- stock programs
- blind shipping
- private label

Quality

- AS9100
- ISO9001
- NADCAP

Supporting Diverse Technologies:

- Epoxy
- Urethane
- Polysulfide
- Methacrylate, acrylics
- Silicone
- Conductive (metal filled)
- Greases, lubricants
- U.V. cure
- Reactive
- Corrosive and more!

Repacking Capabilities

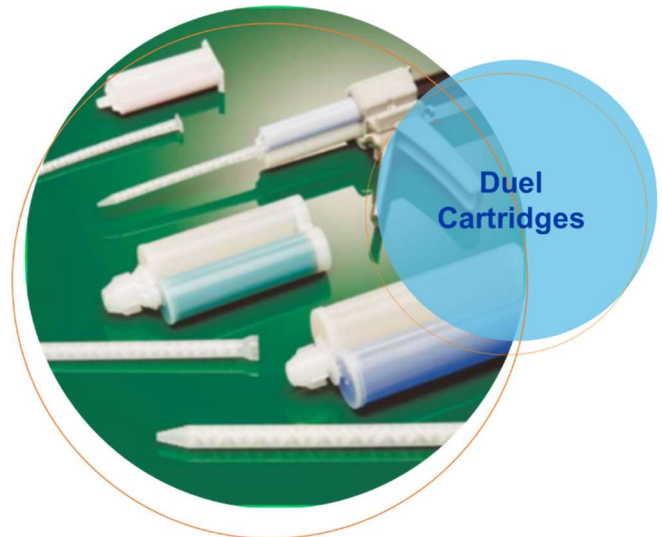


A-Packs

- Easy to use, compatible with a wide range of chemicals, no special equipment required
- Virtually any ratio
- Formats: Divider Clip, Burst Seal, Burst Seal with needle adapter, Mega A-Pak, 3-part A-Pak
- Various sizes from 2-1600 grams
- In-house and field applications

Duel Cartridges

- Mix on demand system
- Manual and pneumatic dispensing
- Perfect volume ratios, eg. 1:1, 2:1, 3:1, 4:1, 10:1
- Variety of standard sizes from 50 -1500ml
- Accommodate wide range of materials
- Side by side, co-axial and universal styles



Pre-mixed and Frozen

- Multi component into one component
- Any mix ratio
- Store at -40°F until use
- Wide selection of packages
- Batch mix and meter mix
- Limitations: shorter shelf life, not all products are compatible, need minimum application life for processing



Injection/Barrier Kits

- Complete mix of two component systems
- Virtually any mix ratio
- Compatible with a wide range of chemistries
- Two formats: barrier and injection, based on mix ratio
- Numerous nozzle options
- Various sizes: 1-20 oz. kits



Specialty Packaging

- Transfer bulk material into easy to use packages
- Single and multi-component materials
- Virtually all types of chemicals
- Jars, tubes, syringes, cups, cartridges, cans, bottles, pouches



***Every order at
Adhesive Packaging Specialties
is considered unique, and tailored to the
individual customer's requirements***



Additional services/capabilities

- One stop ordering
- Degassing, centrifuging, heating, filtering as needed
- Kitting – nozzles, gloves, mixing sticks, literature etc.
- Private label, global drop ship, blind shipping
- Cold and frozen storage capabilities
- Controlled environment room for ultra-sensitive materials
- Stringent packaging controls, typically exceeding OEMs
- Weight control $\pm 1\%$
- Cleaning station for packaged material
- Dual sign off/approvals
- Environmentally controlled retain program
- Document control/traceability

QUALITY IS OUR PRIORITY:



The background of the slide features a laboratory scene with a round-bottom flask and a rack of test tubes, some containing blue liquid. A hand is shown holding one of the test tubes. This scene is framed within a circular inset. The rest of the slide has a light blue background with faint, stylized gear and circuit patterns. A blue circle in the top right corner contains the text 'Custom Engineered Formulations'.

Custom
Engineered
Formulations

Bacon Adhesives: Custom Engineered Formulations



H.B. Fuller

B **BACON**
ADHESIVES

Custom Engineered Formulations



Bacon Adhesives Custom Formulations

Formulator and value-added packager of custom adhesives for high-technology, mission-critical defense electronics applications, Bacon Adhesives provides electrically conductive, thermally conductive and electrically insulative high-performance adhesives in primarily premixed and frozen syringes and a just-in-time delivery service to its customers.



**High
Reliability
Adhesives
for
Mission
Critical
Applications**

Custom Engineered Formulations



H.B Fuller's Bacon Adhesives has over 1,200 product qualifications for over 300 companies, and our commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges.

Our reliable, responsive service creates lasting, rewarding connections with customers in engineering, aerospace, electronics and assembly materials, automotive and healthcare. And our promise to our people connects them with opportunities to innovate and thrive.

	Satellites	Defense Avionics	CmmI Avionics	Missile GNCT	Defense Electronics	Consumer Electronics	Medical Devices
Boeing WGS, GPS III, SBSS, 601 & 702 Buses, MMIII, AH-64E							
Northrop Grumman B-21, SBIRS, DPS, E-6B, JPSS-4, SubHDR							
Wesco Aircraft (Haas Group Intl) ESSM, AMRAAM, MALD, Patriot, F-35							
UTC Aerospace (Goodrich) AIM-9X Sidewinder							
Honeywell Trident, GPS IIIA, EPGWS, F-22, WGS							
L-3 AEGIS, C-140J, F-18, CH-47							
KTEC Equipment & Supplies ISS, F-15, F-18, B-1, MMIII, PAC-3							
Zoll Circulation Cardiac Support devices (IVTM, NCSP)							
Meggitt M1 Abrams tank, SCOUT vehicle							
Ducommun Tomahawk, TOW, Trident, Excalibur							
Kearfott Corporation RQ-4B, JSTARS, Trident, JDAM, Bluefin, UH-60, CH-47							
Moog F-35, C-130J							
Safran (Sagem) Patroller UAV							

**Specialty
Materials**



Specialty Materials



Specialty Materials



Threadlockers

Material	Color	Brand Mfg. Location	Consistency	Service Range	Cure Speed	Specific Gravity	Specification	Type/Class
22 TL	Purple	ASI, Frankfort, IL	1,200 cps	-60 to 350° F	10 mins/8 hours	1.05	MIL-S-46163A	Type II Grade M
42 TL	Blue	ASI, Frankfort, IL	1,200 cps	-60 to 350° F	10 mins/8 hours	1.07	MIL-S-46163A	Type II Grade N
62 TL	Red	ASI, Frankfort, IL	3,500 cps	-60 to 350° F	10 mins/8 hours	1.05	MIL-S-46163A	Type I Grade O
71 TL	Red	ASI, Frankfort, IL	500 cps	-60 to 350° F	10 mins/8 hours	1.12	MIL-S-46163A	Type I Grade K
77 TL	Red	ASI, Frankfort, IL	7,000 cps	-60 to 350° F	10 mins/8 hours	1.12	MIL-S-46163A	Type I Grade L
90 TL	Green	ASI, Frankfort, IL	12 cps	-60 to 350° F	10 mins/8 hours	1.08	MIL-S-46163A	Type III Grade R
1262	Red	Tonsan, Beijing, China	Liquid	0.13 mm		1.10	-60 to 150°C	TS 16949
1510	Pink	Tonsan, Beijing, China	Paste	0.25 mm		1.10	-60 to 204°C	TS 16949
1515	Light Red	Tonsan, Beijing, China	Paste	0.25 mm		1.10	-60 to 150°C	TS 16949
1518	Red	Tonsan, Beijing, China	Paste	0.25 mm		1.10	-60 to 150°C	TS 16949
1662	Red	Tonsan, Beijing, China	Paste	0.20 mm		1.08	-60 to 150°C	TS 16949
AN06R	Red	Tonsan, Beijing, China	Liquid	0.13 mm		1.10	-60 to 150°C	TS 16949
AR106	Red	Tonsan, Beijing, China	Paste	0.20 mm		1.08	-60 to 150°C	TS 16949
AS101	Pink	Tonsan, Beijing, China	Paste	0.25 mm		1.10	-60 to 204°C	TS 16949
AS104	Light Red	Tonsan, Beijing, China	Paste	0.25 mm		1.10	-60 to 150°C	TS 16949
AS114	Red	Tonsan, Beijing, China	Paste	0.25 mm		1.10	-60 to 150°C	TS 16949
1243		Tonsan, Beijing, China						

Retaining Compounds

Material	Color	Brand Mfg. Location	Consistency	Service Range	Cure Speed	Specific Gravity	Specification	Type/Class
03 RC	Green	ASI Frankfort, IL	125 cps	-60 to 350° F	10 mins/8 hours	0.005 inch	MIL-R-46028B	Type I
09 RC	Green	ASI Frankfort, IL	125 cps	-60 to 350° F	15 mins/8 hours	0.005 inch	MIL-R-46028B	Type I
35 RC	Green	ASI Frankfort, IL	2,000 cps	-60 to 350° F	10 mins/8 hours	0.010 inch	MIL-R-46028B	Type I
40 RC	Green	ASI Frankfort, IL	600 cps	-60 to 450° F	40 mins/8 hours	0.007 inch	MIL-R-46028B	Type I
70 RC	Green	ASI Frankfort, IL	5,000 cps	-60 to 425° F	10 mins/8 hours	0.015 inch	MIL-R-46028B	Type I
75 RC	Green	ASI Frankfort, IL	125 cps	-60 to 350° F	30 mins/8 hours	0.005 inch	MIL-R-46028B	Type I
7609	Green liquid	Cyberbond, Frankfort, IL	Liquid	-65°F to 300°F		0.005 inch	Mil-R-46082B ASTM D-5363	Type I AN 0411
7640	Green Liquid	Cyberbond, Frankfort, IL	Liquid	-65°F to 400°F		0.010 inch	Mil-R-46082B ASTM-D5363	Type II AN 0412
7648	Green Liquid	Cyberbond, Frankfort, IL	Liquid	-65°F to 400°F		0.010 inch	Mil-R-46082B, ASTM-D5363	Type II AN 0412
7680	Green liquid	Cyberbond, Frankfort, IL	Liquid	-65°F to 300°F		0.015 inch	Mil-R-46082B, ASTM D-5363	Type III AN 0421

Cyanoacrylates



Cyanoacrylates

Material	Brand Mfg. Location	Color	Specific Gravity (g/cm ³)	Consistency	Viscosity	Service Temperature	Specifications
1400	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	4 +/- 2 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I A-A-3097, Type II Class I
1410	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	105 +/- 45 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II A-A-3097, Type II Class 2
2000	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	2 +/- 1 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I A-A-3097, Type II Class I
2001	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	3 +/- 1 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I A-A-3097, Type II Class I
2002	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	3 +/- 2 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I, A-A-3097, Type II Class 1
2003	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	50 +/- 20 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I, A-A-3097, Type II Class 1
2004	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	9 +/- 2 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I, A-A-3097, Type II Class 1
2005	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	10 +/- 3 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I, A-A-3097, Type II Class 1
2010	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	110 +/- 20 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II, A-A-3097, Type II Class 2
2011	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	100 +/- 10 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II, A-A-3097, Type II Class 2
2014	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	40 +/- 10 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I A-A-3097, Type II Class 2
2025	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	225 +/- 25 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II A-A-3097, Type II Class 2
2028	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	200 +/- 40 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II A-A-3097, Type II Class 2
2038	Cyberbond Frankfort, IL	Black	1.06	Liquid	500 +/- 100 cPs	-55 to 95°C	A-A-3097, Type II Class 3
2050	Cyberbond Frankfort, IL	Clear	1.06	Liquid	300 +/- 150 cPs	-55 to 95°C	Mil-A-46050C, Type II Class III A-A-3097, Type II Class 3
2063	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	100 +/- 10 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II, A-A-3097, Type II Class 2
2075	Cyberbond Frankfort, IL	Clear	1.06	Liquid	750 +/- 150 cPs	-55 to 95°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
2077	Cyberbond Frankfort, IL	Clear	1.06	Liquid	800 +/- 150 cPs	-55 to 95°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
2080	Cyberbond Frankfort, IL	Clear	1.06	Liquid	750 +/- 150 cPs	-55 to 95°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
2150	Cyberbond Frankfort, IL	Clear	1.06	Liquid	1800 +/- 300 cPs	-55 to 95°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
2220	Cyberbond Frankfort, IL	Black	1.06	Liquid	1800 +/- 300 cPs	-55 to 95°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
2240	Cyberbond Frankfort, IL	Clear	1.06	Liquid	2500 +/- 500 cPs	-55 to 140°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
2241	Cyberbond Frankfort, IL	Black	1.06	Liquid	2500 +/- 500 cPs	-55 to 140°C	Mil-A-46050C, Type II Class III
2250	Cyberbond Frankfort, IL	Clear	1.06	Liquid	2500 +/- 500 cPs	-55 to 140°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
3009	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	110 +/- 35 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II A-A-3097, Type II Class 2
Fix Fast 100	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	110 +/- 20 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II, A-A-3097, Type II Class 2
Fix Fast 2	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	2 +/- 1 cPs	-55 to 95°C	Mil-A-46050C, Type II Class I, A-A-3097, Type II Class I
Fix Fast 28	Cyberbond Frankfort, IL	Clear	1.06	Wicking Liquid	200 +/- 40 cPs	-55 to 95°C	Mil-A-46050C, Type II Class II, A-A-3097, Type II Class 2
Frame Fast® 290	Cyberbond Frankfort, IL	Clear	1.06	Liquid	1800 +/- 300 cPs	-55 to 95°C	Mil-A-46050C, Type II Class III, A-A-3097, Type II Class 3
Frame Fast® 295	Cyberbond Frankfort, IL	Black	1.06	Liquid	500 +/- 100 cPs	-55 to 140°C	A-A-3097, Type II Class 3
MG5	ASI Frankfort, IL	Clear	1.05	Liquid	5 cPs	-65 to 200°F	MIL A 46050 Type II Class I
RP100	ASI Frankfort, IL	Clear	1.05	Liquid	100 cPs		Mil Spec 46050 C Type II Class 2
RP5	ASI Frankfort, IL	Clear	1.05	Wicking Liquid	5 cPs	-65 to 200°F	MIL A 46050 Type II Class I
RP500	ASI Frankfort, IL	Clear	1.05	Liquid	500 cPs	-65 to 200°F	MIL A 46050 Type II Class I
SBR-124	Cyberbond Frankfort, IL	Black	1.06	Liquid	2500 +/- 500 cPs	-55 to 140°C	Mil-A-46050C, Type II Class III
SBR-185	Cyberbond Frankfort, IL	Clear	1.06	Liquid	500 +/- 100 cPs	-55 to 130°C	A-A-3097, Type II Class 3
SBR-185 Black	Cyberbond Frankfort, IL	Black	1.06	Liquid	315 +/- 50 cPs	-55 to 130°C	A-A-3097, Type II Class 2

Silicones

Silicones



Material	Features and Benefits	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Hardness	Specifications
1521	<ul style="list-style-type: none"> Thermal Conductivity: 0.30 W/mK Electrical Potting and connector Sealing 	Tonsan Beijing, China	White	1.4	40 Shore A	UL94-V0
1522	<ul style="list-style-type: none"> Interior and Exterior Bonding/sealing Connector Sealing and encapsulation 	Tonsan Beijing, China	Black		42 Shore A	UL94-HB
1533	<ul style="list-style-type: none"> Thermal Conductivity: 0.30 W/mK Inverter potting and power device potting Solar junction box and module potting 	Tonsan Beijing, China	Black, White	1.26	45 Shore A	UL94-V0
1535	<ul style="list-style-type: none"> Thermal Conductivity: 1.8 W/mK Thermal conductive encapsulation Encapsulation, sealing, and waterproofing 	Tonsan Beijing, China	White	2.60	82 Shore A	
1581	<ul style="list-style-type: none"> Sealing/adhesive solar cell junction boxes Sealing solar energy lamps Sealing and waterproofing for transformer 	Tonsan Beijing, China	White	1.37	37 Shore A	UL94-HB
1587	<ul style="list-style-type: none"> Developed to replace pre-formed gaskets High temperature sealing performance Low odor, non-corrosive, low volatility 	Tonsan Beijing, China	Blue	1.31	38 Shore A	
2530	<ul style="list-style-type: none"> Bonding to Glass, Plastic and Metals Bonding and sealing in electronics 	Tonsan Beijing, China	Black	1.19	27 Shore A	
2532	<ul style="list-style-type: none"> Thermal Conductivity: 0.8 W/mK Electronics thermal interface material Inverter potting or power device potting 	Tonsan Beijing, China	Gray	1.6	58 Shore A	RoHS Halogen Free
2534	<ul style="list-style-type: none"> Seam sealing General assembly sealing 	Tonsan Beijing, China	Black	1.47	35 Shore A	
2536	<ul style="list-style-type: none"> Seam sealing General assembly sealing 	Tonsan Beijing, China	Black	1.28	41 Shore A	RoHS Halogen Free
1527	<ul style="list-style-type: none"> Easy to use for reworkable applications Neutral cure low/no odor 	Tonsan Beijing, China	Black or White	1.37	48 Shore A	UL94-HB
1527B	<ul style="list-style-type: none"> Easy to use for reworkable applications Neutral cure low/no odor Meets FDA 21 CFR 177.2600 	Tonsan Beijing, China	Black	1.1	28 Shore A	UL94-HB FDA 21 CFR 177.2600
1527T or 1527TLV	<ul style="list-style-type: none"> Easy to use for reworkable applications Fast setting one component material 	Tonsan Beijing, China	Translucent	1.00	30 Shore A	UL94-HB
1581E	<ul style="list-style-type: none"> Developed to replace pre-formed gaskets High temperature sealing performance 	Tonsan Beijing, China	White, Black, Gray	1.2	25 Shore A	UL94-HB
SC-10	<ul style="list-style-type: none"> Mineral filled silicone compound High thermal conductivity Good thermal stability Excellent electrical properties For use in electronic applications requiring a heat conductive encapsulant Pourable, cuttable 	Bacon Adhesives Irvine, CA	Turquoise	2.16		
SC-14A	<ul style="list-style-type: none"> Mineral filled silicone compound High thermal conductivity Excellent electrical properties For use in electronic applications requiring a heat conductive encapsulant Pourable, cuttable 	Bacon Adhesives Irvine, CA	White	1.8		
SC-17	<ul style="list-style-type: none"> Mineral filled silicone compound High thermal conductivity Good thermal stability Excellent electrical properties Similar cured properties as SC-10 except color, hardness and shorter cure time 	Bacon Adhesives Irvine, CA	White	2.23		
SN2310T	<ul style="list-style-type: none"> Interior bonding and sealing applications Exterior bonding and sealing applications Window back bedding glazing 	Tonsan Beijing, China	Translucent	1.00	25 Shore A	AAMA 802.3- 16

UV Curable

UV Curable



Material	Product Description	Brand Mfg. Location	Color	Specific Gravity (g/cc)	Consistency	Type of Product
4594	<ul style="list-style-type: none"> Thixotropic Modified epoxy resin, solvent-free 	Cyberbond Frankfort, IL	Amber	1.1	32,000 +/- 5000 cps	Structural Adhesive
EA6035	<ul style="list-style-type: none"> Fast curing, flexible Good adhesion to glass, many plastics and many metals 	H.B. Fuller Yantai, China	Clear	1.05	5,500 cPs	Structural Adhesive
EA6042	<ul style="list-style-type: none"> Thixotropic, flexible Excellent adhesion to glass, many plastics and metals Color changed after UV cured 	H.B. Fuller Yantai, China	Translucent Blue	1.05	5000 cPs	Structural Adhesive
EA6053H	<ul style="list-style-type: none"> Thixotropic, flexible Good adhesion to glass, many plastics and many metals 	H.B. Fuller Yantai, China	Semi Translucent	1.05	30,550 cPs	Structural Adhesive
EA6114	<ul style="list-style-type: none"> Thixotropic UV/moisture double cure High adhesion strength, excellent flexibility 	H.B. Fuller Yantai, China	Translucent	1.05	5100 cups	Structural Adhesive
EA6201	<ul style="list-style-type: none"> Fast curing, flexible Good adhesion to glass, many plastics and many metals 	H.B. Fuller Yantai, China	Clear	1.05	18,020 cPs	Structural Adhesive
RB16-74Q	<ul style="list-style-type: none"> High viscosity General purpose use 	Cyberbond Frankfort, IL	Light Straw	1.06	250 +/- 25 cps	Structural Adhesive
RBUV217R	<ul style="list-style-type: none"> High viscosity General purpose use 	Cyberbond Frankfort, IL	Light Straw	1.06	6000 +/- 500 cps	Structural Adhesive
RBUV234H	<ul style="list-style-type: none"> High viscosity General purpose bonding 	Cyberbond Frankfort, IL	Light Straw	1.06	Thixotropic	Structural Adhesive
RBUV234I	<ul style="list-style-type: none"> High viscosity General purpose bonding 	Cyberbond Frankfort, IL	Light Straw	1.06	Thixotropic	Structural Adhesive
RBUV234Q	<ul style="list-style-type: none"> Medium Viscosity Designed to bond glass to itself or plastics 	Cyberbond Frankfort, IL	Transparent	1.06	1750 +/- 250 cps	Structural Adhesive
RBUV243G	<ul style="list-style-type: none"> Medium to high viscosity Good for bonding where a flexible joint is required 	Cyberbond Frankfort, IL	Light Straw	1.06	1100 +/- 400 cps	Structural Adhesive
U3304TX	<ul style="list-style-type: none"> High viscosity Well-suited to bonding dissimilar substrates 	Cyberbond Frankfort, IL	Light Straw	1.06	12,000 +/- 3000 cps	Structural Adhesive
U3320	<ul style="list-style-type: none"> Low viscosity Ideal for use in wicking applications 	Cyberbond Frankfort, IL	Light Straw	1.06	45 +/- 15 cps	Structural Adhesive
U3333	<ul style="list-style-type: none"> High viscosity Highly impact resistant 	Cyberbond Frankfort, IL	Light Straw	1.06	850 +/- 200 cps	Structural Adhesive
U3334	<ul style="list-style-type: none"> High viscosity Excellent vibration or impact resistance. 	Cyberbond Frankfort, IL	Light Straw	1.06	6000 +/- 2000 cps	Structural Adhesive
U3337	<ul style="list-style-type: none"> Medium to high viscosity Well-suited to bonding dissimilar substrates. 	Cyberbond Frankfort, IL	Light Straw	1.06	1000 +/- 150 cps	Structural Adhesive
U3340	<ul style="list-style-type: none"> Low to Medium viscosity Good impact resistance on similar or dissimilar substrates 	Cyberbond Frankfort, IL	Light Straw	1.06	250 +/- 50 cps	Structural Adhesive
U3342	<ul style="list-style-type: none"> Medium viscosity Good impact resistance on similar or dissimilar substrates 	Cyberbond Frankfort, IL	Light Straw	1.06	500 +/- 50 cps	Structural Adhesive
U3343	<ul style="list-style-type: none"> Medium to high viscosity Good bonding where a flexible joint is required. 	Cyberbond Frankfort, IL	Light Straw	1.06	1100 +/- 400 cps	Structural Adhesive
U3345	<ul style="list-style-type: none"> Medium to high viscosity Provides a tough, flexible bond on plastic, glass and metal 	Cyberbond Frankfort, IL	Light Straw	1.06	2000 +/- 500	Structural Adhesive
U3349	<ul style="list-style-type: none"> Medium to high viscosity Designed for bonding a variety of plastics 	Cyberbond Frankfort, IL	Light Straw	1.05	1200 +/- 300 cps	Structural Adhesive
U3349F	<ul style="list-style-type: none"> Medium to high viscosity Designed for bonding a variety of plastics 	Cyberbond Frankfort, IL	Light Straw	1.05	1200 +/- 300 cps	Structural Adhesive
U3349TX	<ul style="list-style-type: none"> High viscosity Designed for bonding a variety of plastics 	Cyberbond Frankfort, IL	Light Straw	1.05	20000 +/- 5000 cps @ 2.5 rpm	Structural Adhesive
U3350	<ul style="list-style-type: none"> Medium to low viscosity Cures tack-free and optically clear Well-suited in lens housing and other optical applications 	Cyberbond Frankfort, IL	Light Straw	1.06	300 +/- 100 cps	Structural Adhesive
U3351	<ul style="list-style-type: none"> Medium to low viscosity For bonding glass, plastics and many other surfaces 	Cyberbond Frankfort, IL	Light Straw	1.06	200 +/- 50 cps	Structural Adhesive
U3356	<ul style="list-style-type: none"> High viscosity Bond tack-free and optically clear Ideal adhesive for potting and encapsulating 	Cyberbond Frankfort, IL	Light Straw	1.06	17,500 +/- 5000 cps	Structural Adhesive
U3359	<ul style="list-style-type: none"> High viscosity Thixotropic, prevents adhesive from migrating 	Cyberbond Frankfort, IL	Light Straw	1.06	50000 +/- 5000 cps @ 2.5 rpm	Structural Adhesive



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