



1527T

1527T is translucent in color RTV silicone. It has good weather resistance and excellent electrical insulation properties, especially resistant to sulfur hexafluoride and transformer oil. Typical application include electrical insulation, protecting leads from mechanical shock, bonding trim, sealing ductwork, vents, flues, doors, windows, and sealing and waterproofing of transformers.

Technology / Base	Poly(dimethyl) Siloxane
Type of Product	Silicone Sealant
Components	One Part
Curing	Moisture Cure
Appearance / Color	Translucent
Consistency	Thixotropic Paste

Features and Benefits

- Excellent heat resistance properties
- Wide operating temperature range
- Easy to use for reworkable applications
- Fast setting one component material
- Neutral cure low/no odor
- UL94 rated

Technical Data

Physical Property	Value	Condition/Method
Rheology		
Viscosity	Thixotropic Paste	
Density		
Specific Gravity	1.00	
Uncured Material Characteristics		
Tack Free Time	3 to 15 min	
Full Cure Time	24 hr ≥ 2mm	23±2°C and 50±5%RH
Cured Material Performance		
Thermal Service Range	-54 to 210°C	
Hardness	30 Shore A	ISO7619, GB/T 531
Tensile Strength	1.3 MPa	ISO37, GB/T 528, 23±2°C 50% RH
Elongation to Break	350%	ISO37, GB/T 528, 23±2°C 50% RH
Lap Joint Shear Strength Aluminum		
Electrical Properties		
Volume Resistivity	5.0 x 10 ¹⁴ Ωcm	IEC60093, GB/T1692
Breakdown Voltage	18 kV/mm	IEC 60243-1, GB/T1695
Heat Aging Testing		
Elongation at Break	320%	175°C for 168 hr ISO37, GB/T 528, 23±2°C 50% RH
Tensile Strength	1.4 MPa	ISO37, GB/T 528, 23±2°C 50% RH

Test Sample Conditions: 2mm Thickness, Cured at 23±2°C, 50±5%RH for 7 days. Tested at 23±2°C



Typical Applications

- Electrical insulation
- Protects leads from mechanical shock
- Bonds trim
- Seals ductwork, vents, flues, doors, windows
- Sealing and waterproofing for transformer

Curing Conditions

Cure speed will vary with temperature, relative humidity, depth of material and presence of moisture. Some applications may require special surface preparation. At 23±2°C, 50±5% relative humidity, typical cure depth is 2mm in 24 hours. Requires more time to cure in colder or lower humidity conditions. Contact H.B. Fuller Company technical support for additional curing recommendations.

Storage and Shelf Life

Product shall be ideally store in a cool, dry area in unopened containers. Material should be stored at a temperature of 5-25°C. Do not return unused material back into the container.

General Instructions

- For best performance bond surfaces should be clean, dry and free of any contaminants and oils.
- Apply a continuous and even bead of silicone to one surface.
- Assemble parts immediately. Remove excess material at once.

Note

The values noted in this data sheet are typical properties only and are not intended to be used as material specifications. For assistance in writing a material specification, please contact H.B. Fuller Company for further details.

Ordering Information

Stock No. 152711, 85ml; 152715, 310ml

Safety and Disposal

For complete safety and handling information, please refer to the appropriate Safety Data Sheets prior to using this product.

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