



192

192 represents the latest technology in liquid anaerobic pipe sealants. It is specifically designed to create a positive seal between metal fittings for low and high pressure sealing. 192 provides sealing to the burst strength of most piping systems when fully cured. This material is capable of withstanding extremely harsh environments. It has excellent chemical resistance, will take shock and thermal loading, will prevent against vibration loosening, and lubricates threaded connections during assembly to prevent galling. 192 can be used on a wide range of metal parts and it's controlled strength feature allows for easy disassembly. Typical applications include sealing pipe joints, hydraulic fittings, pneumatic fittings, threaded connections, pipe joints, screws, large/coarse threads, fire suppression, etc.

Technology / Base	Anaerobic methacrylate
Type of Product	Pipe, Fitting and Thread Sealant
Components	One Component
Curing	Anaerobic with Secondary Heat Cure
Appearance / Color	White
Consistency	Light Paste

Features and Benefits

- Low and High Pressure Fluid Sealant
- Stable in Harsh Environments
- Excellent Chemical Resistance
- Excellent Vibration Resistance
- Controlled Flow Paste

Technical Data

Physical Property	Value	Condition/Method
Uncured Material Characteristics		
Viscosity	350,000 cPs	
Specific Gravity	1.2	
Gap Fill	0.003 to 0.015 inch	
Set Time on Steel	5 to 50 minutes	
Handling Strength	1 to 3 hours	
Functional Strength	Soluble in Acetone at 55°C	
Solubility		
Full Cure Conditions	6 to 12 hours at 25°C	
Cured Material Properties		
Pin/Collar Shear Strength	10 to 20 in-lb	ISO 10123
Pressure Resistance	10,000 psi (Seals moderate pressure instantly)	
Service Temperature	-50°C to 230°C	



General Instructions

Surfaces to be bonded should be clean and dry and free of grease. Product should be applied in enough quantity to fill all engaged threads or gap. The product performs best in thin bond gaps. Very large gaps may create gaps that will affect the cure speed and overall strength. Good contact is essential. This product is not recommended for use in pure oxygen environments and/or oxygen-rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. It is recommended to confirm compatibility of the product with all substrates prior to use.

Specifications

Curing Performance

The rate of cure will depend on environmental conditions and the substrates used. The gap of the bond line will affect set speed. Smaller gaps tend to increase set speed. Activators may be applied to further improve set speed, but may also impair overall adhesive performance.

Storage

Products should be stored unopened in a cool, dry place out of direct sunlight. Products may be refrigerated for improved shelf life, but should be brought back to room temperature before use.

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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