



173

173 is a hydraulic sealant, general purpose, fittings up to 3/4 inch diameter. Ideal for fine threads, 173 is a low viscosity, medium strength thread and pipe sealant.

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

Features and Benefits

- High Pressure Fluid Sealant
- Stable in Harsh Environments
- Excellent Chemical Resistance
- Excellent Vibration Resistance
- Low Viscosity for Improved Flow and Coverage

Technical Data		
Physical Property	Value	Condition/Method
Uncured Material Characteristics		
Viscosity	500 cPs	
Specific Gravity	1.06	
Handling Strength	10 to 20 minutes	
Functional Strength	1 to 3 hours	
Flash Point	> 100°C	
Full Cure Conditions	5 to 10 hours at 25°C	
Cured Material Properties		
Pin/Collar Shear Strength	8 to 12 MPa	ISO 10123
Breakaway Torque	12 to 16 N-m	ISO 10964
Prevailing Torque	18 to 24 N-m	ISO 10964
Service Temperature	-55°C to 150°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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