



145

145 is a liquid sealant for locking and sealing high pressure fluid power systems and will not clog filters.

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

**Features and Benefits**

- High Pressure Fluid Sealant
- No Filter Contamination
- Controlled Flow Viscosity

Technical Data		
Physical Property	Value	Condition/Method
<b>Uncured Material Characteristics</b>		
Viscosity	10,000 cPs	Brookfield at 25°C, Spindle 3, 20 rpm
Specific Gravity	1.02	
Flash Point	> 93°C	
Shelf Life	12 months unopened	
Storage Condition	8 to 28°C	
Full Cure Conditions	24 hours at 25°C	
<b>Cured Material Properties</b>		
Coefficient of Thermal Expansion	0.1 ppm/K	ASTM D696
Thermal Conductivity	0.1 W/mK	ASTM C177
Specific Heat	0.3 kJ/kgK	
Service Temperature	-50°C to 175°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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