

## Anaerobic Thread Sealant

A high performance anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The high lubricating properties of this compound prevent galling on stainless steel, aluminum and all other metal pipe threads and fittings. Lubricates threads, seals immediately. Resists loosening/vibration. Resists oils and solvents. Dispenses easily. Temperature range: -65 to 400°F.



### APPLICATIONS

- Sealing and securing of metal threaded pipes and fittings
- Ideal for Stainless steel and aluminum fittings.
- Can be used in a wide variety of industries: automotive, marine, industrial equipment, textile, utilities/power, chemical processing, etc..

### UL CLASSIFICATION

Classified as small fire hazard. No flash point in liquid state. Ignition temperature 465°C. For use in devices handling gasoline, petroleum oils, natural gas, propane and butane.

### ADHESIVE PROPERTIES

Property	Value
Composition	Methacrylate Ester
Color	White
Viscosity	540,000 cps @ 25°C
<i>Brookfield RVT Spindle 3 @ 20 rpm</i>	
Specific Gravity	1.14
Flash Point	> 100°C
Solvent Content	None

### CURING PROPERTIES

Property	Value
Handling Cure Time	10-30 Minutes
Functional Cure Time	2-4 Hours
Full Cure Time	24 Hours

Breakaway Torque, ISO 10964:  
M10 steel nuts and bolts N · m >170 N.m  
>15 lb.in.

Prevail Torque, ISO 10964:  
M10 steel nuts and bolts 1 N.m  
9 lb.in.

compressive Shear Strength,  
ISO 10123: Steel pins and collars >1 N/mm<sup>2</sup>  
>147 psi  
Temperature Range: -65 to 400°F

### PHYSICAL PROPERTIES

Coefficient of Thermal Expansion, ASTM D 696, K-1	80x10 <sup>-6</sup>
Coefficient of Thermal Conductivity, ASTM C 177,W(m · K)	0.10
Specific Heat, kJ/(kg · K)	0.30

### CHEMICAL RESISTANCE

Chemical	Temp	% of Initial Strength	
		500 hrs.	1000 hrs.
Acetone	22°C	70	60
Ethanol	22°C	90	90
Motor Oil	125°C	100	100
Gasoline	22°C	80	80
Brake Fluid	22°C	100	95
Water/Glycol	87°C	75	75

### GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

#### Directions For Use

1. For best performance, surfaces should be clean and free from any contamination.
2. Apply 360° bead of product to the leading threads of the male fitting, leaving the first thread free.
3. Force the material into the threads and voids, adjust product accordingly and apply a 360° bead of product on the female threads also.
4. Assemble and tighten as required.

### STORAGE

Anaerobic adhesives should be stored in a cool, dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°C). To prevent contamination of unused material, do not return any material to its original container.

### PRODUCT AVAILABLE

**705** 50ml Tube (1.89 fl. oz.) 6 per case

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