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SONLOKTM 3572 Anaerobic Thread Sealant

SONLOK 3572 is a slow cure speed, low strength anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The product cures rapidly in the absence of air between close fitting metal surfaces and provide low-pressure resistance immediately after application.

SONLOK 3572 is ideal to seal against gases, water, LPG, hydrocarbons, oils and other chemicals. Excellent thixotropic property prevents migration of the sealant before or during curing.

Applications:

- Ideal for locking and sealing of threaded metal pipes and fittings
- Designed for coarse threads.

Adhesive Properties:

Composition: Methacrylate Ester

Color: White

Viscosity: $17,000 \text{ to } 50,000 \text{ cps at } 25\,^{\circ}\text{C}$

Brookfield RVT Spindle 3 @ 20 rpm

Specific Gravity: 1.25
Flash Point: > 100 °C
Solvent Content: None

Curing Properties:

Handling Cure Time: 45 - 60 minutes
Functional Cure Time: 6 - 8 hours
Full Cure Time: 24 hours

Breakaway Torque, ISO 10964:

M10 steel nuts and bolts N·m 7 N.m

60 lb.in.

Prevail Torque, ISO 10964:

M10 steel nuts and bolts 3 N.m

30 lb.in.

Break loose Torque, ISO 10964, Pre-torqued to 5 N·m:

M10 steel nuts and bolts 20 N.m.

180 lb.in



Max. Prevail Torque, ISO 10964, Pre-torqued to 5 N·m:

M10 steel nuts and bolts N·m

20 N.m 180 lb.in.

Compressive Shear Strength, ISO 10123:

Steel pins and collars > 0.5 N/mm²

> 70 psi

Temperature Range -65 to 300 °F

Physical Properties:

Coefficient of Thermal Expansion,	80×10 ⁻⁶
ASTM D 696, K-1 Coefficient of Thermal Conductivity,	0.10
ASTM C 177,W/(m·K) Specific Heat, kJ/(kg·K)	0.30

Chemical Resistance:

Chemical	Temp.	% Initial Strength Retained	
		500 hours	1000 hours
Acetone	22 °C	95	95
Ethanol	22 ⁰ C	95	95
Motor Oil	125 ⁰ C	70	70
Gasoline	22 ⁰ C	90	90
Brake Fluid	22 °C	100	100
Water/Glycol	87 °C	90	65

Application Method:

Surfaces should be dry, clean, and free of any contamination. Apply 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also. Assemble and tighten as required.

<u>Storage:</u>

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 46 0 F to 82 0 F. Please do not return any unused material to its original container.

thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will nor infringe any patent.