



TECHNICAL DATA SHEET

TAFTLOCK 71

Anaerobic Thread Locker

Updated: Sept 2018

PRODUCT DESCRIPTION

TAFTLOCK 71 is a fast curing, high strength anaerobic thread locking compound ideal for bonding and sealing threads, and retaining of cylindrical parts. **TAFTLOCK 71** exhibits high resistance to heat, vibrations, water, gases, oils, hydrocarbons and many chemicals.

ADVANTAGES

- Ideal for transmission and engine block studs, valve sets etc
- Ideal for fasteners up to 25 mm in diameter.
- Permanent high strength, eliminates the need for double nutting and welding. Effectively prevents corrosion and leakage.

ADHESIVE PROPERTIES

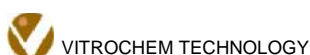
Composition:	Methacrylate Ester
Color:	Red
Viscosity: (Brookfield RVT, Spindle 3 @ 20 rpm)	500 cps at 25°C
Specific Gravity:	1.11
Flash Point:	>100 °C
Shelf Life:	2 years

CURING PROPERTIES

Handling Cure Time:	10 minutes
Functional Cure Time:	1 – 3 hours
Full Cure Time:	24 hours
Breakaway Torque, ISO 10964: (M10 steel nuts and bolts N.m)	31 N.m (310 kgf/cm)
Prevail Torque, ISO 10964: (3/8 x 16 steel nuts and bolts)	28 N.m (280 kgf/cm)
Temperature Range:	-55 to 150°C

PHYSICAL PROPERTIES

Coefficient of Thermal Expansion (ASTM D696, K-1)	80×10 ⁻⁶
Coefficient of Thermal Conductivity (ASTM C 177, W/(m.k))	0.10
Specific Heat (kJ/kg.K)	0.30



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CHEMICAL RESISTANCE

CHEMICAL	TEMPERATURE	% INITIAL STRENGTH RETAINED	
		500 hours	1'000 hours
Acetone	22°C	95	90
Ethanol	22°C	100	100
Motor Oil	125°C	95	95
Gasoline	22°C	100	100
Brake Fluid	22°C	100	100
Water / Glycol	87°C	90	80

APPLICATION METHOD

Surfaces should be dry, clean, and free of any contamination. Thread locker should be applied to the bolt in sufficient quantity to fill threads. **TAFTLOCK 71** performs the best in thin bond gaps. This thread locker is specifically formulated to give controlled friction and torque/tension ratio during assembly.

STORAGE

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at room temperature between 8°C to 25°C. Please do not return any unused material to its original container.



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