ANAEROBIC ADHESIVES · CODE 43

Taftlock 43

Anaerobic Thread Locker

ISSUED Updated: Sept 2018 | REVIEWED June 2026 | PAGE 1

PRODUCT DESCRIPTION

TAFTLOCK 43 is a fast curing, medium strength anaerobic thread locking compound ideal for bonding and sealing threads, and retaining of cylindrical parts. TAFTLOCK 43 exhibits high resistance to heat, vibrations, water, gases, oils, hydrocarbons and many chemicals.

ADVANTAGES

- Ideal for less active materials, such as stainless steel, and plated parts etc
- Ideal for fasteners between 6 to 20mm diameters.
- Locks and seals threaded joints-nuts, screws, and studs with excellent oil resistance.

ADHESIVE PROPERTIES

Composition:	Dimethacrylate Ester
Color:	Blue
Viscosity:	2250 cps at 25°C
(Brookfield RVT, Spindle 3 @ 20 rpm)	
Specific Gravity:	1.07
Flash Point:	>100 °C
Shelf Life:	2 years

CURING PROPERTIES

Handling Cure Time:	10 - 12 minutes
Functional Cure Time:	1 - 3 hours
Full Cure Time:	24 hours
Breakaway Torque, ISO 10964: (M10 steel nuts and bolts N.m)	20 N.m (204 kgf/cm)
Prevail Torque, ISO 10964: (M10 steel nuts and bolts)	7 N.m (71 kgf/cm)
Breakloose Torque, ISO 10964: -Pre-torqued to 5 N.m (M10 steel nuts and bolts)	24 N.m (245 kgf/cm)
Max. Prevail Torque, ISO 10964: -Pre-torqued to 5 N.m (M10 steel nuts and bolts)	24 N.m (245 kgf/cm)
Compressive Shear Strength, ISO 10123: (Steel pins and collars)	>8 N/mm^2 (82 kgf/cm^2)
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

CHEMICAL RESISTANCE

CHEMICAL	TEMPERATURE	% INITIAL STRENGTH RETAINED 500 HOURS	% INITIAL STRENGTH RETAINED 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	90

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 43 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.

COMPLIANCE AND QUALITY

RoHS statements and Safety Data Sheets for this product are available on request. Contact the MightyLoc team and we will send the current documents.

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