

Mulax Thread Sealant Hydraulic

MUL12748

General Description:

MUL12748 is a high performance anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The product cures when confined in the absence of air between close fitting metal surfaces and prevents loosening and leakage from shock and vibration. MUL12748 is ideal to seal against gases, water, LPG, hydrocarbons, oils and other chemicals

Application information:

- Recommended hydraulic anaerobic sealant.
- Typical application includes metal and fiber plants, waste treatment facilities, textile equipment and processing.

Adhesive properties:

Composition	Methacrylate Ester
Colour	Brown
Viscosity	400 cps at 25C
Specific Gravity	1.05
Flash Point	>100 C,
Solvent content	None

Curing properties:

Handling Cure Time	10-30 minutes
Functional Cure Time	2-4 hours
Full Cure Time	24 hours
Breakaway Torque, ISO 10964:	2.8 N. m
M10 steel nuts and bolts N.m	24 lb.in.
Prevail Torque, ISO 10964: M10	1.1010 N. m
steel nuts and bolts	9.0 lb.in
Compressive Shear Strength, ISO 10123:	>10 N/mm2
Steel pins and collars	>1,470 psi
Temperature Range	-50C to 150C

Physical Properties:

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

Chemical Resistance:

Chemical	Temp	% Initial strength retained (500h)	% Initial strength retained (1000h)
Acetone	22C	100	100
Ethanol	22C	95	90
Motor oil	125C	100	100
Gasoline	22C	100	95
Breake fluid	22C	100	95
Water/Glycol	87C	100	100

Application Method:

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

Health and Safety:

- Classification: Xi irritant
- Keep out of reach of children
- Refer to product Material Safety Data Sheet (MSDS)

Storage:

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 5C to 25C. Please do not return any unused material in its original container

Legal Note:

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Our company accepts no liability arising out of the use of this information or the products described herein.