

Introduction

SealXpert™ AT271 Threadlocker is a one component, medium to low viscosity, high strength, anaerobic threadlocker. It cures when confined between close fitting metal surfaces in the absence of air.

Typical Applications

Prevent loosening and leakage from shock and vibration. Used for permanent locking and sealing M16-M26 threaded fasteners, prevent thread from rust. Typically used for stud studded end locking (such as cylinder head stud).

Typical Properties of Uncured Material

	Typical Value	Range
Appearance	Red liquid	
Basis material	Methacrylate	
Viscosity (mPa.s)		
Brookfield RVF		
4# Spindle 20rpm	500	400-600
Specific Gravity (g/cm ³)	1.12	1.00-1.15
Flash point (°C)		>93
Max. Gap fill (mm)	0.13	
Fixture (min)	15	10-20

Typical Properties of Cured Material

Full curing time (h)	24	
Break Torque (N.m)	27	
Prevail Torque (N.m)	30	
Working Temp (°C)		-50-150

Chemical/Solvent Resistance

Aging under the conditions below and tested at 22°C

Solvent	Temp (°C)	100h	500h	1000h
Motor oil	125	85	85	75
Unleaded gasoline	125	85	85	75
Leaded gasoline	22	100	100	95
Ethanol	22	95	95	95
Acetone	22	95	95	95

Directions for Use

For best performance, surfaces should be cleaned, dry and free of grease.

Shake the product thoroughly before use.

Notice

To prevent contamination of the unused product, do not pour back any unused material to the original container.

This product is not recommended for use in pure oxygen and/or oxygen rich systems. It is not recommended on plastics.

Keep away from children.

The product contains acrylic acid and methacrylate ester, which may irritates skin and eyes. It is recommended to use the product at a well-ventilated place.

In case of contact with eyes or skin, rinse immediately with water. If symptom persists, visit a physician immediately.

Please refer to MSDS for more details.

Package

Item No.: AT271 50ml bottle
AT271 250ml bottle

Storage

Stored in a cool and dry location in unopened containers at 8 to 28°C.

The product shelf life is 24 months.