

Introduction

SealXpert™ AT242 Threadlocker is a one component, medium strength, thixotropic viscosity, general purpose anaerobic threadlocker. It cures when confined between two close fitting metal surfaces in the absence of air. Parts can be disassembled by hand tools.

Typical Applications

Used for thread locking and sealing for M8-M16 (Ideal below M8) threaded fasteners, preventing loosening, and leakage from shock and vibration.

Typical Properties of Uncured Material

	Typical Value	Range
Appearance	Blue liquid	
Basis material	Methacrylate	
Viscosity (mPa.s)		
Brookfield RVF		
3# Spindle 2rpm		≥5200
20rpm	1700	1200-2200
Specific Gravity (g/cm ³)	1.05	1.00-1.10
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)	12
Prevail Torque (N.m)	5
Working Temp (°C)	-50-150

Chemical/Solvent Resistance

Aging under the conditions below and tested at 22°C

Solvent	Temp (°C)	% of Initial Strength		
		100h	500h	1000h
Motor oil	125	100	100	100
Leaded gasoline	22	100	100	100
Ethanol	22	100	100	100
Acetone	22	100	100	100
Water/Glycol (50%/50%)	87	80	75	75

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.: AT242, 50ml bottle

Storage

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

The product shelf life is 24 months.