

Introduction

SealXpert™ AT243 Threadlocker is a one component, thixotropic, medium strength anaerobic threadlocker. It cures when confined between two close fitting metal surfaces in the absence of air. It can be used on slight oil contaminated surface.

Typical Applications

Prevent threaded fasteners from loosening and leakage. Used for under M20 thread locking and sealing. Typically suitable for inert surface, such as stainless steel and electroplated surface.

Typical Properties of Uncured Material

	Typical Value	Range
Appearance	Blue liquid	
Basis material	Methacrylate	
Viscosity (mPa.s)		
Brookfield RVF		
3# Spindle 2.5rpm		≥7000
20rpm	2250	1700-2400
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)	20	
Prevail Torque (N.m)	7	
Working Temp (°C)		-50-150

Chemical/Solvent Resistance

Aging under the conditions below and tested at 22°C

Solvent	Temp p (°C)	% of Initial Strength			
		100h	500h	1000h	5000h
Motor oil	125	95	95	95	95
Leaded gasoline	22	100	100	95	95
Ethanol	22	100	85	85	85
Acetone	22	100	100	85	85
Water/Glycol (50%/50%)	87	95	80	80	80

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.: AT243 50ml bottle
AT243 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.