

Introduction

SealXpert™ TS545 Thread Sealant is one component, thixotropic, low viscosity, low strength anaerobic pipe thread sealant. It is designed for locking and sealing metal pipes and fittings. The product cures when it is confined between close fitting metal surfaces in the absence of air.

Typical Applications

Typically used for sealing and locking high hydraulic pressure power system, under M36 tapered thread (NPT). It will not foul or jam hydraulic and pneumatic fittings and it can be used on slightly oil contaminated surfaces.

Typical Properties of Uncured Material

	Typical Value	Range
Appearance	Purple liquid	
Basis material	Methacrylate	
Viscosity (mPa.s)		
Brookfield RVF		
3# Spindle 2.5rpm	14000	9000-20000
Specific Gravity (g/cm ³)	1.05	1.00-1.10
Flash Point (°C)		>93
Max. Thread diameter	M36	
Fixture (h)	4	

Typical Performance of Cured Material

Full curing time at room temperature (h)	24
Max. sealing pressure (MPa)	69.5
Disassemble strength	medium
Sealing operation time under pressure	medium
Working Temperature (°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
Unleaded gasoline	22	100	100	95
Ethanol	22	100	100	90
Acetone	22	100	95	95
Water/Glycol (50%/50%)	87	100	100	100

Directions for Use

For best performance, surfaces should be clean, dry and free of grease. Product should be applied to the surface in sufficient quantity to fill all engaged threads. Assemble in a normal way and leave sufficient time for curing.

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.

The product is not recommended for use in pure oxygen and/or oxygen rich systems

It is not recommended for use 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.:TS545, 50ml bottle

Item No.:TS545, 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.