



A NEW FORCE IN CHEMICAL MANUFACTURING

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TECHNICAL DATA SHEET

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PRODUCT NAME

8567 High Performance Thread Sealant with PTFE

PRODUCT RANGE

Part Number	Available Size
8567-50	50 ml
8567-250	250 ml



Refer to MSDS for product safety guidelines

8567 High Performance Thread Sealant with PTFE

Chemtools® 8567 is a high performance anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The high lubricating properties of this compound prevent galling on stainless steel, aluminium and all other metal pipe threads and fittings.

UL CLASSIFICATION:

Classified as small fire hazard. No flash point in liquid state. Ignition temperature 465°C. For use in devices handling petrol/ petroleum oils, natural gas, propane and butane.

APPLICATIONS:

- Recommended for industrial applications in chemical processing, petroleum refining, pulp/paper, waste treatment, textile, utilities/power generation, marine, automotive, industrial equipment, gas compression and distribution industries.

- Widely used for industrial plant fluid systems.

ADHESIVE PROPERTIES:

Composition	Methacrylate Ester
Appearance	White
Viscosity @25°C (Brookfield RVT Spindle 3 @ 20 rpm)	540,000 cps
Specific Gravity	1.14
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
Temperature Range	-55 to 200°C
Breakaway Torque (ISO 10964) - M10 Steel Nuts and Bolts	> 1.7 Nm (> 15 lb.in)

Prevail Torque (ISO 10964)	
- M10 Steel Nuts and Bolts	> 1 Nm (9 lb.in)
Compressive Shear Strength	
- (ISO 10123) Steel Pins & Collars	> 1 N/mm ² (147 psi)

PHYSICAL PROPERTIES:

Coefficient of Thermal Expansion, ASTM D696, K ⁻¹	80 x 10 ⁻⁶
Coefficient of Thermal Conductivity, ASTM C177, W/m.K	0.10
Specific Heat, kJ/kg.K	0.30

CHEMICAL RESISTANCE PROPERTIES:

Chemical	Temperature	% Initial Strength Retained	
		500 hours	1000 hours
Acetone	22°C	70	60
Ethanol	22°C	90	90
Motor Oil	125°C	100	100
Petrol	22°C	80	80
Brake Fluid	22°C	100	95
Water/Glycol	87°C	75	75

APPLICATION INSTRUCTIONS:

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

STORAGE:

Anaerobic adhesives shall be ideally stored in a cool, dry place in unopened containers at a room temperature between 7°C to 28°C. Please do not return any unused material to its original container.

PRECAUTIONS:

This product is capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the material.

WARRANTY:

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