



ChemTools 8569 **Anaerobic Hydraulic Thread Sealant**

ChemTools 8569 is a high performance anaerobic thread sealant designed for the locking and sealing of metal threaded pipes and fittings. The product cures when confined in the absence of air between close fitting metal surfaces and prevents loosening and leakage from shock and vibration.

ChemTools 8569 is ideal to seal against gases, water, LPG, hydrocarbons, oils and other chemicals.

Applications:

- Recommended hydraulic anaerobic sealant.
- Typical application includes metal and fiber plants, paper processing plants, and chemical processing plants, waste treatment facilities, textile equipment and processing.

Adhesive Properties:

Composition:	Methacrylate Esters
Color:	Brown
Viscosity: Brookfield RVT Spindle 3 @ 20 rpm	400 cps at 25°C
Specific Gravity:	1.05
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
Breakaway Torque, ISO 10964: M10 steel nuts and bolts Nm	>2.8 Nm, >24lbin
Prevail Torque, ISO 10964: M10 steel nuts and bolts Nm	>1.1 Nm, 9lbin
Compressive Shear Strength: (ISO 10123) Steel Pins & Collars	>10 N/mm ² 1,470 psi
Temperature Range	-55 to 150°C



Physical Properties:

Coefficient of Thermal Expansion: ASTM D 696, K ⁻¹	80×10 ⁻⁶
Coefficient of Thermal Conductivity: ASTM C 177, W/(m·K)	0.10
Specific Heat, kJ/(kg·K)	0.30

Chemical Resistance:

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

Application Method:

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 and the auxiliary materials normally combined with it are 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: All products purchased from or supplied by ChemTools are subject to terms and conditions set out in the contract. ChemTools warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by ChemTools is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. ChemTools makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.