

Technical Data Sheet Dripstop[®] 927

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Product Description

Hernon[®] Dripstop[®] 927 is a high performance adhesive/sealant for tapered pipe threads. The product is a creamy paste-like anaerobic compound that cures when confined in the absence of air and between closing fitting metal surfaces. The high lubricating properties of this compound prevent galling on stainless steel, aluminum and other metal pipefittings.

Typical Applications

Dripstop[®] 927 has been developed for sealing thread fittings in fossil fuel, solar and hydro power plant piping systems.

Typical Properties (Uncured)

Property	Value
Resin	Methacrylate ester
Appearance	White paste
Viscosity @ 25°C, cP	300,000 to 600,000
Specific gravity	1.14
Flash point	See MSDS

Typical Properties (Cured)

Property	Value
Coefficient of thermal expansion, ASTM D696, K ⁻¹	0.1
Coefficient of thermal conductivity, ASTM C177, W / m ^o K	0.1
Specific Heat, kJ/(kg·K)	0.3
Temperature Range, °C (°F)	-55 to 204 (-65 to 400)

Typical Cured Performance

Breakaway Torque, ISO 10964
3/8 x 24 steel nuts (grade 2) and bolts (grade 2)

Cure Condition	N•m (In-lb)
24 hours at 22°C	5.6 (50)

Typical Environmental Resistance

Cured for 72 hours @ 22°C
Breakaway Torque, ISO 10964
3/8 x 24 steel nuts (grade 2) and bolts (grade 2)

Chemical/Solvent Resistance

Aged under condition indicated - Tested at 72°F (22°C).

Chemical/Solvent	Temp	% of Initial Strength		
	(°C)	100 h	500 h	1000 h
Motor Oil	40	100	100	100
Gasoline	22	90	80	80
Brake fluid	22	90	80	80
Ethanol	22	85	85	85
Acetone	22	75	70	60
1,1,1 Trichloroethane	22	90	90	85
Water Glycol 50/50	87	100	75	75

General Information

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Where aqueous washing systems are used to clean the surfaces before bonding, it is important to check for compatibility of the washing solution with the adhesive. In some cases these aqueous washes can affect the cure and performance of the adhesive.

This product is not normally recommended for use on plastics (particularly thermoplastic materials where stress cracking of the plastic could result). It is recommended to confirm compatibility of the product with such substrates.

Directions For Use

Clean threaded parts with **Hernon[®] Cleaner 62** to remove excessive oil, and apply sealant to first three threads, (width of tube applicator) and wrench.

This will produce an instant seal for low-pressure applications. For high pressures allow 24-72 hours cure at room temperature. For accelerated cure apply Hernon primer to the threads prior to sealant application. Priming of the threaded parts will produce a sealing and mild locking action, which will stand high pressure in 30 minutes.

Storage

Dripstop® 927 should be stored in a cool, dry location in unopened containers at a temperature between 46°F to 82°F (8°C to 28°C) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused material, do not return any material to its original container.

Dispensing Equipment

Hernon® offers a complete line of semi and fully automated dispensing equipment. Contact **Hernon® Sales** for additional information.

These suggestions and data are based on information we believe to be reliable and accurate, but no guarantee of their accuracy is made. HERNON MANUFACTURING®, INC. shall not be liable for any damage, loss or injury, direct or consequential arising out of the use or the inability to use the product. In every case, we urge and recommend that purchasers, before using any product in full scale production, make their own tests to determine whether the product is of satisfactory quality and suitability for their operations, and the user assumes all risk and liability whatsoever, in connection therewith. Hernon's Quality Management System for the design and manufacture of high performance adhesives and sealants is registered to the ISO 9001 Quality Standard.