

Technical Data Sheet Dripstop[®] 947

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Product Description

Hernon[®] Dripstop[®] 947 is a high-performance adhesive/sealant specifically formulated for the sealing and mild locking of hydraulic and pneumatic threaded parts used with hydraulic and pneumatic equipment. Dripstop[®] 947 will seal pipe threads, standard nuts and bolts, fittings for hydraulic and pneumatic systems, air conditioners, fittings for refrigeration equipment, and all types of water and chemical processing valves and equipment, including steam up to 350°F.

Dripstop[®] 947 is a single component, thixotropic (non-migrating) anaerobic adhesive/sealant, which will provide a rapid cure at room temperature. Upon cure, Dripstop[®] 947 becomes a highly crosslinked thermoset plastic preventing leakage from shock, vibration as well as as corrosive liquids and atmospheres.

Product Benefits

- Effectively seals a wide range of industrial fluids and gases.
- Does not shrink or crack due to solvent evaporation. (100% solid system)
- Ready to use, single component.
- Room temperature cure.
- In the liquid state, completely disperses in most hydraulic fluids.

Typical Properties (Uncured)

Property	Value
Resin	Dimethacrylate ester
Appearance	Brown liquid
Viscosity @ 25°C, cP	12,000 to 16,000
Specific gravity	1.07
UV Fluorescence	Positive
Flash point	See SDS

Typical Properties (Cured)

Property	Value
Pressure Resistance, psi	Up to 10,000
Temperature Range, °C (°F)	-55 to 150 (-65 to 300)

Typical Cured Performance

Cured for 24 hours at 22°C.

Substrate	Cure	Strength, (in-lb)

		Conditions	
M10 Steel	24 Hours, RT	Breakaway torque:	≥ 5
M10 zinc phosphate steel	1 week, RT (pre-torqued to 5 N.m)	Breakloose torque:	45.9

Compressive Shear Strength

Tested at RT, on steel pins and collars according to ASTM D4562.

Cure Conditions	Shear Strength, psi
24 Hours, RT	≥ 100

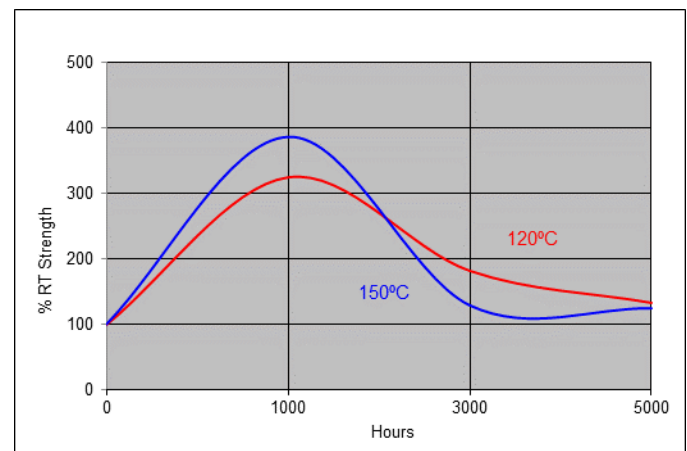
Typical Environmental Resistance

Cured for 1 week @ 22°C

Breakloose Torque, ISO 10964, pre-torqued to 5 N.m
M10 zinc phosphate steel nuts and bolts

Heat Aging

Aged at temperature indicated - Tested at (22°C).



Chemical/Solvent Resistance

Aged under conditions indicated and tested at 22°C.

Chemical/Solvent	Temperature (°C)	Breakloose Torque
		1000 hours
Water/Glycol 50:50	87	165
Brake Fluid	22	140
Acetone	22	102
Ethanol	22	132
Motor oil	125	80
Gasoline	22	123
Diesel Fuel	22	127
DEF	22	111
Ethanol Fuel	22	91

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 Safety Data Sheet (SDS).

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 case, 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.

Storage

Dripstop® 947 should be stored in a cool, dry location in unopened containers at a temperature between 45°F to 85°F (7°C to 29°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.