

GENERAL SEALANTS, INC.

MIL-PRF-8116D

Technical Data Sheet

PRODUCT DESCRIPTION

MIL-PRF-8116D is a polysulfide based non-curing sealant. This unique sealant is formulated with corrosion inhibitors and is resistant to oil, jet fuel, gasoline, and many solvents. MIL-PRF-8116D is self-fusing, high conformable, will not craze plastics, and will remain bonded to the application surface even when submerged in solvent.

PRODUCT ADVANTAGES

- Resistant to oil, jet fuel, gasoline, and many solvents
- Meets MIL-PRF-8116D
- Excellent low temperature flexibility
- Fast and easy to apply by hand
- Good surface adhesion
- Will not craze plastics
- Service temperature of -40°F to 180°F (-40°C to 82°C)

APPLICATION

Surface should be free of moisture, oil and dust for maximum bond. Apply the sealant with putty knife to the application surface and press the sealant firmly into place. Ideal application temperature is 45°F (7°C) or above.

Product is not considered hazardous to skin however wash hands before eating. DO NOT TAKE INTERNALLY.

TYPICAL PHYSICAL PROPERTIES

Chemical Base	Polysulfide
Color	Black
Specific Gravity (ASTM D792)	1.45
Total Solids	100%
Non-Volatile Content (ASTM D2369)	>97%
Consistency (MIL-PRF-8116D Test Procedure)	2 1/8 to 2 3/8 inches spread
Shear Test (MIL-PRF-8116D Test Procedure)	>4 Minutes
Resistance to Aging and Drying (MIL-PRF-8116D Test Procedure)	No flow, loss of adhesion or embrittlement. Weight loss < 3%
Removability (MIL-PRF-8116D Test Procedure)	Removable after immersion in cleaning materials.
Water Solubility (MIL-PRF-8116D Test Procedure)	<3%
Fuel Contamination (MIL-PRF-8116D Test Procedure)	Extractables not to exceed 60mg per 100ml. Only slight discoloration of copper strip.
Resistance to Salt Water and Hydrocarbons (MIL-PRF-8116D Test Procedure)	No film failure or evidence of corrosion on the metal.
Shelf Life (Storage at 72°F/ 22°C)	3 Years



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NOTE: TECHNICAL INFORMATION AND DATA SHOULD BE CONSIDERED REPRESENTATIVE OR TYPICAL ONLY AND SHOULD NOT BE USED FOR SPECIFICATION PURPOSES.

PACKAGING

MIL-PRF-8116D is manufactured as a bulk putty packaged in a metal can.

STORAGE AND HANDLING

Material should be stored at 72°F (22°C) in a dry area in its original sealed case and case must remain right side up.

Product Ordering

Contact our exclusive MIL-PRF-8116D distributor **Chemsol** at 888-697-6001 or visit their [Website](#) to receive a quote or place an order.

For more information on MIL-PRF-8116D, please email Sales@GeneralSealants.com or call (800)-762-1144 to speak with a representative from our sales department.

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