

Technical Data Sheet UV FOG 702

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Page 1 of 1

Product Description

Hernon® UV FOG (Form on Gasket) 702 is an EB/UV curable product that provides excellent adhesion to shaft seals, oil seals, metals, glass, ceramics and plastics. Can be used as a Form-in-place gasket in oil and coolant systems. Typical applications include Engine covers, Oil pans and other fluid seal systems.

Typical Properties (Uncured)

Property	Value
Appearance	Amber
Viscosity @ 25°C, cP	700 to 900
Tack Free Time, seconds	≤ 5
Refractive Index	1.489
Specific Gravity	1.02
Flash Point	See SDS

Typical Properties (Cured)

Property	Value
Hardness, Shore A	10 to 25
Temperature Range, °F (°C)	-40 to 302 (-40 to 150)
Gap fill	0.1 up to 1.0 mm

Tack Free Time

Measured @ 365 nm, using medium pressure, mercury arc lamp: US 1000, at ½ inch distance: < 5 seconds
By using LED9, at ¼ inch distance: < 12 seconds

Block Shear Strength

Cured 24 Hours at 22°C
Tested according to ASTM D4501

Substrate	Value (psi)
Glass to Glass	≥100
Glass to Steel	≥100

Fluid Compatibility

Cured for 1 day at RT.
Initial hardness (shore A): 65
Cured Material aged under condition indicated.
Tested at RT.

Hardness Shore M ¹ Fluids Tested	Temp (°C)	Hardness after			
		72 h	168 h	540h	1008 h
Dexron VI ATF ¹	150	70	70	73	76

¹ Third party tested

Fluids	Temp (°C)	Hardness (Shore A)
		1008 h
Dexron VI ATF	150	97
CVT Fluid	150	80
Pentosin Motor oil	120	68
Synthetic Motor Oil	120	73
Gear Oil	120	94

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).

Storage

UV Fog 702 can be stored in a dry location in unopened containers at a temperature between 60°F to 90°F (15°C to 32°C) unless otherwise labeled. Material must be mixed and heated to 80 – 90 °F (26 – 32°C) prior to use. Avoid direct exposure to sunlight or fluorescent lighting. To prevent contamination of unused material, do not return any material to its original container.

Cured Seals Shelf life

Seals can be stored for a minimum of 3 years at Room Temperature.

Cleanup

Uncured **UV Fog 702** should be cleaned up with absorbent material and placed in a closed container for disposal. Small areas can be cleaned up by curing the product prior to disposal by exposing the product to UV cure, light or sunlight. Afterwards the area can be washed with soap and water.

Dispensing Equipment

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

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