HERNON®
Formulating Solutions

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UV FOG 702BL

Product Description

Hernon® UV FOG (Form on Gasket) 702BL 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	Blue
Viscosity @ 25ºC, 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, ºF (ºC)	-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 22ºC
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]	Temp	Hardness after			
Fluids Tested	(ºC)	72 h	168 h	540h	1008 h
Dexron VI ATF[1]	150	70	70	73	76

1 Third party tested

Fluids	Temp (ºC)	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

Storage
UV Fog 702BL can be stored in a dry location in unopened containers at a temperature between 60ºF to 90ºF (15ºC to 32ºC) 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 702BL** 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.

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).

System for the design and manufacture of high-performance adhesives and sealants
is registered to the ISO 9001 Quality Standard