

Technical Data Sheet UV FOG 702BL

June 2019

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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 @ 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 |

Storage

UV Fog 702BL 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 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).

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