

Technical Data Sheet UV FOG 68221

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Product Description

Hernon® UV FOG (Form on Gasket) 68221 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 | 1.488 |
| Specific Gravity | 1.02 |
| Flash Point | See MSDS |

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 |

Shear strength, psi

| Substrate | Value |
|----------------|-------|
| Glass to Glass | ≥ 100 |
| Glass to Steel | ≥ 100 |

Fluid Compatibility SAE J2236 for pliability

Cured Material aged under condition indicated

| Fluids | Temp (°C) | % Pliability after | | | |
|--|-----------|------------------------|-------|--------|--------|
| | | 72 h | 500 h | 1000 h | |
| Dextron III / VI ATF | 150 | 100 | 100 | 90 | |
| CVT Fluid | 150 | 100 | 100 | 90 | |
| Mobile 10 Spindle Oil | 150 | 100 | 100 | 100 | |
| Motor Oil | 120 | 100 | 100 | 100 | |
| Synthetic Motor Oil | 120 | 100 | 100 | 100 | |
| Gear Oil | 120 | 100 | 100 | 100 | |
| Pentosin FFL-4 | 120 | 100 | 100 | 100 | |
| | 65 | Before exposure | | | |
| 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 |

Storage

UV Fog 68221 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 68221** 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 Material Safety Data Sheet (MSDS).

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.