

HFL-971

Hydro-Fused®/Nonasbestos Gasket Material**F729900E39M9**

Description

HFL-971 is a high density material with a combination of fully cured nitrile butadiene binder and thermoset resin for superior mechanical strength in heavy-duty applications. It has exceptional tensile strength, crush resistance, blowout resistance, erosion resistance, and resistance to shear and friction damage in dynamic joints. It is intended for applications sealing transmission fluid, axle lube, oil, fuel, coolant, water, and steam with short duration maximum temperatures up to 350°C (650°F).

Specification Properties

| Property | Value | Method |
|-------------------------------------|-------------------------------|-------------|
| Density, g/cc(lb/cu.ft) | 1.5 (93.6) (min.) | ASTM F 1315 |
| Compressibility, % (at 34.5MPa) | 7 - 17 | ASTM F 36 |
| Recovery, % | 40 (min.) | ASTM F 36 |
| Flexibility, Mandrel Bend, 12 X Ga. | No Cracks | ASTM F 147 |
| Tensile Strength, AMD, MPa(psi) | | ASTM F 152 |
| Less Than 0.4mm Gauge | 12.40 (1800) (min.) | |
| All Other Gauges | 24.10 (3500) (min.) | |
| Fluid Resistance, IRM903 Oil | | ASTM F 146 |
| Change in Thickness, % | 20 (max.) | |
| Fluid Resistance, Fuel B | | ASTM F 146 |
| Change in Thickness, % | 20 (max.) | |
| Change in Weight, % | 20 (max.) | |
| Binder Type | Fully Cured Nitrile Butadiene | |

Remarks and Related Documents

Specification values determined by the test methods required for ASTM F-104, Type 7 materials, except where noted.

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