

# 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

<u>Property</u>	<u>Value</u>	<u>Method</u>
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(ksi)		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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