ACCURATE FELT & GASKET

Material Specification

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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The information on this data sheet is based on laboratory test data we believe to be accurate, relevant and reliable. Please look upon these values as guides rather than absolutes. Since actual service conditions for a given application may vary substantially from standard laboratory conditions, specific recommendations or warranties relative to a specific end use cannot be made. The buyer is urged to conduct its own investigations and qualification tests to determine suitability for its intended application. Accurate Felt & Gasket Mfg. Co. shall not be liable for any damages arising out of the use of any of its guide specifications.