

D-7201

Hydro-Fused®/Nonasbestos Gasket Material

F729900B4E33M9

Description

D-7201 is a high density, fully cured nitrile butadiene bound gasket material that offers excellent mechanical strength, sealability, and erosion resistance to high pressure, high volume fluid flow and impingement. It is used in heavy duty automatic transmission valve bodies and other heavy duty applications, and is intended for applications with short duration maximum temperatures up to 290°C (550°F) and minimum continuous operating temperatures to -40°C/F.

Specification Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	1.50 (93.8) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	5 - 20	ASTM F 36
Recovery, %	40 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	15.86 (2300) (min.)	ASTM F 152
Flexibility, Mandrel Bend, 12 X Ga.	No Cracks	ASTM F 147
Creep Relaxation, %	25 (max.) (0.8mm ga.)	ASTM F 38
Sealability, Fuel A, ml/hr	100 (max.) at (450psi/75psi)	ASTM F 37
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Tensile Strength, %	50 (max.)	
Change in Thickness, %	30 (max.)	
Change in Compressibility, %	20 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	15 (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.

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