

ACCURATE FELT & GASKET MFG. COMPANY

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MATERIAL SPECIFICATION

M-5201

Hydro-Fused®/Nonasbestos Gasket Material
F729900B4E43M9

Description:

M-5201 is a high density material with fully cured nitrile butadiene rubber binder for added resistance to oil and fuel. It is used primarily in heavy-duty diesel engine applications with short duration maximum temperatures up to 290°C (550°F).

Specification Properties:

Property	Value	Method
Compressibility, % (at 34.5MPa)	7 - 17	ASTM F 36
Recovery, %	40 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)		ASTM F 152
Less Than 0.8mm Gauge	13.80 (2000) (min.)	
All Other Gauges	16.60 (2405) (min.)	
Flexibility, Mandrel Bend, 12 X Ga.	No Cracks	ASTM F 147
Creep Relaxation, %	25 (max.) (0.8mm ga.)	ASTM F 38
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Tensile Strength, %	35 (max.)	
Change in Thickness, %	20 (max.)	
Change in Compressibility, %	30 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	15 (max.)	
Change in Weight, %	30 (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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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.

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