

# 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

<u>Property</u>	<u>Value</u>	<u>Method</u>
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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