

ACCURATE FELT & GASKET MFG. COMPANY

3239 S. 51st Avenue
Cicero, IL 60804
Phone: 708-780-9000 Fax: 708-780-9009
www.afgco.com afg@afgco.com

MATERIAL SPECIFICATION

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.

EnCore®, Hydro-Fused®, MicroPore®, Pro-Formance®, Select-a-Seal®, Syntheseal®, Thermo-Tork®, and Voltoid® are registered trademarks of Interface Performance Materials, Inc. Select-a-Shield is a trademark of Interface Performance Materials, Inc.

Revised 07/01/15

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.

ISO 9001: 2008 Registered