

ACCURATE FELT & GASKET MFG. COMPANY

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MATERIAL SPECIFICATION

EMC-7201

EnCore® Combined Materials

Description:

EMC-7201 is a composite structure of high-density, fully cured nitrile butadiene bound gasket facings chemically and mechanically fused to an expanded steel core. Typical applications include diesel engine structural joints such as gear case or flywheel housings, high pressure hydraulic joints, and performance and racing engine applications. It is available in 0.030, 0.033, 0.042, 0.048, and 0.060 inch gauges in a sheet size of 21 by 63 inches (usable area).

Specification Properties:

Property	Value	Method
0.042 Inch and Above		
Density, g/cc (lb/cu.ft)	1.9 (119) (min.)	ASTM F 1315
Tensile Strength, AMD, MPa (psi)	30 (4400) (min.)	ASTM F 152
Tensile Strength, MD, MPa (psi)	14.5 (2100) (min.)	ASTM F 152
All Gauges		
Compressibility, % (at 34.5MPa)	7-20	ASTM F 36
Recovery, %	40 (min.)	ASTM F 36
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Thickness, %	9 (max.)	
Fluid Resistance, Ethylene Glycol/Water		ASTM F 146
Change in Thickness, %	10 (max.)	

Remarks and Related Documents:

Typical 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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