



Typical Data Sheet



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, 0.042, and 0.060 inch gauges in a sheet size of 21 by 63 inches (usable area).

Property:	Specification:	Method:
Caliper, mm(inch)	1.1 (0.042)	ASTM F 104
Density, g/cc(lb/cu.ft)	2.20 (137)	ASTM F 1315
Compressibility, % (at 34.5MPa)	14	ASTM F 36
Recovery, %	50	ASTM F 36
Tensile Strength, AMD, MPa(psi)	37.90 (5500)	ASTM F 152
Tensile Strength, MD, MPa(psi)	15.20 (2200)	ASTM F 152
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Thickness, %	3	
Fluid Resistance, Glycol/Water 50/50		ASTM F 146
Change in Thickness, %	6	
Binder Type	Fully Cured Nitrile Butadiene	
Color	Dark Grey	

Remarks and Related Documents:

Specification values determined by the test methods required for ASTM F-104, Type 7 materials.

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