

# 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
<i>0.042 Inch and Above</i>		
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
<i>All Gauges</i>		
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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