

MCC-D

EnCore® Combined Materials/Mechanically Clad Composite

Description

MCC-D is a high temperature resistant gasket and shielding material combining an inorganic fiber based core with 0.2mm (0.008") perforated tin-plated steel facings on one or both sides. It is ideally suited for high temperature applications including exhaust manifold and header gaskets, engine heat shields, furnace and HVAC shielding, and small engine head and muffler gaskets and shields. It can be used in applications up to 1000°C. The typical values below were established using only the fiber core material without the steel cladding.

Typical Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	1.1 (69)	ASTM F 1315
Compressibility, % (at 6.9MPa)	15	ASTM F 36
Recovery, %	15	ASTM F 36
Tensile Strength, AMD, MPa(psi)	1.8 (260)	ASTM F 152
Weight Loss on Ignition, % (at 600°C)	20	ASTM F 495
Thermal Conductivity, W/m.K	0.14	ASTM F 433

Remarks and Related Documents

Typical values determined by the test methods required for ASTM F-104, Type 3 materials.

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