

MBF-G

EnCore® Combined Materials/Mechanically-Bonded Fiber

Description

MBF-G is a high-temperature gasket material combining an inorganic fiber, low binder facing material with an 0.2mm (0.008") tang perforated tin-plated steel core. This material provides excellent value for exhaust manifold and header gaskets, downpipe and collector gaskets, EGR, muffler, and other exhaust gas applications in automotive and small engines. MBF-G is available in several gauges, with roll widths up to 305mm (12") wide. The following typical values were established using an overall construction thickness of 1.6mm (0.063").

Typical Properties

Property	Value	Method
Compressibility, % (at 34.5MPa)	25 - 30	ASTM F 36
Recovery, %	20 - 30	ASTM F 36
Tensile Strength, AMD, MPa(psi)	29 (4250)	ASTM F 152
Weight Loss on Ignition, % (at 815°C)	0 - 10	ASTM F 495
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Thickness, %	2 - 5	
Change in Weight, %	20 - 30	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	2 - 4	
Change in Weight, %	15 - 25	

Remarks and Related Documents

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

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