



RAM GASKET SOLUTIONS
GASKET ENGINEERING TECHNOLOGY

NEBAR BROWN

MATERIAL SPECIFICATION SHEET

Description

General Purpose High Quality Jointing. Nitrile/SBR bonded cork for < 3mm thickness, Polychloroprene/Nitrile bonded cork for >= 3mm thickness.

Specification Compliance

ASEA 1169 5012E – 204

ASTM F104 line call out - below 3 mm F224000M2, 3 mm and above F225000M2

Typical Properties

Material tested to procedures as documented in ASTM F104

	< 3 mm thick	≥ 3 mm thick	Test Procedure
Base elastomer	NITRILE/SBR	CR/NITRILE	
Thickness	0.8 to 2.5	3 to 13	
Hardness	65 to 85°	65 to 80°	ASTM D1415
Minimum tensile strength (MPa)	1.75	1.75	ASTM F152
Low temperature flexibility	-20°C	-30°C	
Maximum operating temperature in fluids	110°C	110°C	
Compressibility at 2.8 N/mm ²	15 to 25%	20 to 30%	ASTM F36
Recovery minimum	75%	75%	ASTM F36
Normal sheet size	1.2 x 1.0 1.2 x 1.2	1.2 x 1.2	
Flexibility	3d	3d	ASTM F147



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Fluid resistance, volume swells	< 3 mm thick	≥ 3 mm thick	Test Procedure
ASTM 1 72 hours at 100°C	-3 to +10%	0 to +10%	ASTM F146
IRM903 72 hours at 100°C	0 to +25%	+10 to +30%	ASTM F146
FUEL A 22 hours ambient temperatures	-5 to +10%	0 to +15%	ASTM F146
BS148 Transformer Oil 14 days at 90°C	+23.1%	+10%	ASTM F146



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