

## TECHNICAL INFORMATION

### NEBAR BLACK - HIGH PERFORMANCE ELECTRICAL

BLACK

**Description** Nitrile / polychloroprene blend with cork. Specifically for hydrogen coolers and Sulphur hexafluoride (SF<sub>6</sub>) gas.

**Specification Compliance** ASTM F104 line call out F224000M2

**Typical Properties** Material tested to procedures as documented in ASTM F104

		Test Procedure
Base elastomer	NITRILE/ POLYCHLOROPRENE	
Thickness	2.2 to 13	
Hardness	65 to 80	ASTM D1415
Minimum tensile strength(MPa)	2.45	ASTM F152
Fluid resistance, volume swells		
ASTM 1 72 hours at 100°C	-2.7%	ASTM F146
IRM903 72 hours at 100°C	+10.5%	ASTM F146
FUEL A 22 hours ambient temperatures	+1.0%	ASTM F146
BS148 Transformer Oil 14 days at 90°C	+1.2%	ASTM F146
Low temperature flexibility	-15°C	
Maximum operating temperature in fluids	110°C	
Compressibility at 2.8 N/mm <sup>2</sup>	15 to 25%	ASTM F36
Recovery minimum	85%	ASTM F36
Normal sheet size	1.2 x 1.2 1.2 x 1.0	
Electrical resistance at 100 vdc	10 <sup>10</sup> Ω.cm	

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Specifications are subject to change without notice.

Statements of operating limits quoted in this document are not an indication that these values can be simultaneously applied.

A safe handling data sheet on this material is available on request.