

TECHNICAL INFORMATION

NEBAR - PURPLE NITRILE ELECTRICAL

PURPLE

Description A high quality medium to firm cork/elastomer jointing based on nitrile rubber. Specifically designed to be more resistant to over-compression than normal cork/elastomer gaskets. It is suitable for a wide range of fluid sealing applications in the electrical, transformer and switchgear industries, in contact with mineral oil, silicone oil and Midel transformer fluids.
The maximum recommended continuous operating temperature in fluids is 110°C although intermittent excursions to 120°C are acceptable.

Specification Compliance ASTM F104 Line call out F224000M2

Typical Properties Material tested to procedures as documented in ASTM F104

		Test Procedure
Base elastomer	NITRILE/SBR	
Thickness	0.8 to 20	
Hardness	60 to 80	ASTM D1415
Minimum tensile strength (MPa)	1.75	ASTM F152
Fluid resistance, volume swells		
ASTM 1 72 hours at 100°C	-5 to +15%	ASTM F146
ASTM 3 72 hours at 100°C	+5 to +20%	ASTM F146
FUEL A 22 hours ambient temperatures	+5 to +15%	ASTM F146
BS148 Transformer Oil 14 days at 90°C	+10%	ASTM F146
Low temperature flexibility	-25°C	
Maximum operating temperature in fluids	110°C	
Compressibility at 2.8 N/mm ²	15 to 25%	ASTM F36
Recovery minimum	75%	ASTM F36
Normal sheet size	1.2 x 1.0	
Flexibility	5d	ASTM F 147

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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.