



NEBAR PURPLE

MATERIAL SPECIFICATION SHEET

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 F 224000 M2

Typical Properties

Material tested to procedures as documented in ASTM F104

		Test Procedure
Base elastomer	NITRILE/SBR	
Thickness	0.8 to 20	
Hardness	65 to 80°	ASTM D1415
Minimum tensile strength (MPa)	1.75	ASTM F152
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 m	
Flexibility	5d	ASTM F147



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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Fluid resistance, volume swells		
ASTM 1 72 hours at 100°C	-5 to +15%	ASTM F146
IRM903 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



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