Nebar
Rubber bonded cork gasket materials

Manufactured by Tiflex

TECHNICAL INFORMATION
NEBAR BLACK - HIGH PERFORMANCE ELECTRICAL

BLACK

Description Nitrile / polychloroprene blend with cork. Specifically for hydrogen coolers and Sulphur hexafluoride (SF_6) 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/mm²	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	$10^{10}\Omega$.cm	

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