



## NEBAR RED

### MATERIAL SPECIFICATION SHEET

#### Description

Designed for high pressure applications, mainly in the heavy electrical and switchgear industry, particularly where higher bolt loadings are required than can be tolerated with other Nebar grades. Normally used in mineral oil or Midel 7131 filled transformers.

#### Specification Compliance

DTD 900/4911

AFS 721

ASTM F104 Line call out F 224000 M2

#### Typical Properties

Material tested to procedures as documented in ASTM F104

		Test Procedure
Base elastomer	Polychloroprene	
Thickness	0.8 to 13	
Hardness	70-85°	ASTM D1415
Minimum tensile strength (MPa)	2.35	ASTM F152
Low temperature flexibility	-30°C	
Maximum operating temperature in fluids	110°C	
Compressibility at 2.8 N/mm <sup>2</sup>	10-30%	ASTM F36
Recovery minimum	75%	ASTM F36
Normal Sheet Size	1.2 x 1.2 m 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 +5%	ASTM F146
IRM903 72 hours at 100°C	+10 to +30%	ASTM F146
Fuel A 22 hours ambient temperatures	0 to +10%	ASTM F146
BS148 Transformer Oil 14 days at 90°C	+10%	ASTM F146



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