

Nebar Grey - Premium Nitrile Electrical



DESCRIPTION

High quality nitrile rubber bonded cork gasket to ABB specification for transformers and switchgear.

SPECIFICATION COMPLIANCE

ASTM F104, line call out F225000M2.

TYPICAL PROPERTIES

		Test
Base Elastomer	Nitrile	
Thickness	1.5 to 13mm	
Hardness	70 to 75°	ASTM D1415
Minimum Tensile Strength (MPa)	1.75	ASTM F152
Compressibility at 2.8 N/mm ²	20 to 30%	ASTM F36
Recovery Minimum	80%	ASTM F36
Flexibility as Supplied	3d	ASTM F147
Maximum Operating Temperature in Fluids	+125°C	
Low Temperature Flexibility	-25°C	
Fluid Resistance Volume Swells		
IRM901 72 hours at 100°C	-2 to +10%	ASTM F146
IRM903 72 hours at 100°C	-2 to +15%	ASTM F146
FUEL A 22 hours ambient temperatures	-2 to +10%	ASTM F146
BS148 Transformer Oil 14 days at 90°C	+2%	ASTM F146
DC561 Silicone Fluid, 12 wks at 100°C	-5%	ASTM F146

Material tested to procedures as documented in ASTM F104.

Information in this document and otherwise supplied to users is based on our general experiences and is given in good faith but, because of particular factors which are outside our knowledge and control and affect the use of products, no warranty is given or implied with respect to such information. 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.

AGEING DATA IN BS148 MINERAL OIL

Ageing Data in BS148 Mineral Oil @ 125°C	72 hrs.	168 hrs.	336 hrs.	1 month	4 months	8 months
Volume Change	+4.9%	+6.1%	+5.9%	+5.6%	+6.8%	+8.5%
Hardness Change (°)	-5	-3	-3	-1	+9	+23

HEAT AGEING DATA IN AIR

Heat Ageing Data in Air @ 125°C	72 hrs.	168 hrs.	336 hrs.	1 month	4 months	8 months
Hardness Change (°)	-1	+6	+16	+21	+21	+23

AVAILABILITY

	Thicknesses											
	1.5	2	2.5	3	4	4.5	5	6	6.4	8	9.5	12.5
Sheet Sizes (mm)												
1200 x 900	●	●	●	●	●		●	●	●	●	●	
1200 x 1000	●	●	●	●	●		●	●	●	●	●	●
1200 x 1200	●			●		●	●	●			●	●
Thickness Tolerance (mm)	+/- 0.25	+ 0.2 - 0.25	+/- 0.25	+/- 0.3	+/- 0.3	+/- 0.35	+/- 0.35	+/- 0.5	+/- 0.5	+/- 0.5	+/- 0.65	+/- 0.8

	Thicknesses		
	3	6	12.5
Roll Sizes (mm)			●
4500 x 600			
9000 x 1200	●	●	
Thickness Tolerance (mm)	+/- 0.3	+/- 0.5	+/- 0.8

Standard sheet and roll sizes shown. Material available in sheet, roll or cut into strips or finished gaskets.

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