

BF31 NBR



NITRILE SHEETING FOR TRANSFORMER OIL

Caractéristiques

High grade NBR.

Applications

Cutting gaskets for sealing between the tank and the lid of immersed electrical transformers in contact with synthetic dielectric and mineral oils.

No resistance to pyralene.

Avantages

- † Excellent mechanical properties, compression set in particular
- † Excellent temperature resistance
- † Excellent low temperature resistance
- † Excellent ageing resistance
- † Excellent hydrocarbons resistance
- † Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

Bénéfices

- † Reliability
- † Safety

PROPRIETES MECANIQUES ET PHYSICO CHIMIQUES

Caractéristiques mesurées		Norme de référence	Valeur	
MECANIQUES				
Elastomère - Noir			NBR	I
Densité			1.30 ±0.05	g/cm ³
Dureté	ASTM D2240		70 ±5	Shore A
Tensile strength	ISO 37		≥ 13	MPa
Elongation at break	ISO 37		≥ 300	%
Déchirure (Rd), éprouvette croissant	ISO 34-1		≥20	N/mm
Compression set after 70h à 100 °C	ISO 815-1		≤40	%
TEMPERATURE				
Température d'utilisation			-40/+130	°C
VIEILLISSEMENT				
Rr/Rr après 168h à 70 °C	ASTM D573		≤20	%
Ar/Ar après 168h à 70 °C	ASTM D573		≤30	%
Oil IRM 903, Δ Tensile strength after 72h at 100 °C	ASTM D573		≤20	
Oil IRM 903, Δ Elongation at break after 72h at 100 °C	ASTM D573		≤40	
Ozone resistance, 50 pphm, 48h, 40°C, 20%	ASTM D1149 type A		Without cracks	
TENUE AUX HUILES				
Oil IRM 901, Volume après 70h à 100 °C	ISO 1817		-20/5	%
Oil IRM 903, Volume après 70h à 100 °C	ISO 1817		±5	%
Transformer oil, Volume après 70 à 100 °C	ISO 1817		≤ 5%	%
Résistance Chimique				
Acides et bases dilués	Acides et bases concentrés	Ozone	Huiles et Hydrocarbures	
Very good	Good	Good	Very good	
Identification				
Marquage	Without.			
Conditionnement	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Emballage	Black polyethylene film.			
Etiquetage	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.			

Identification

NBR		NITRILE SHEETING		BF31					
EPAISSEUR mm		LARGEUR mm		LONGEUR m		WEIGHT kg/m ²		ASPECT	
2±0.3		1400±2%		15±2%		2.62		LFODE	
3±0.3		1400±2%		10±2%		3.93		LFODE	
4±0.4		1400±2%		10±2%		5.24		LFODE	
5±0.4		1400±2%		10±2%		6.56		LFODF	
6±0.5		1400±2%		10±2%		7.87		LFODF	

