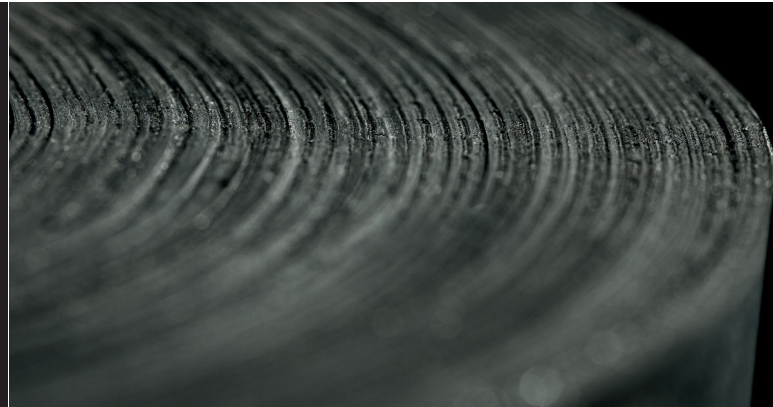


S BF31

TECHNICAL SHEETING

BLACK NBR 70

FOR TRANSFORMER OIL NITRILE SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

Rubber Compound	NBR
Rubber Color	Black
Density	1.30 g/cm ³ ±0.05
Hardness (ISO 48-4)	70±5 Shore A
Tensile strength (ISO 37)	≥ 13 MPa
Elongation at break (ISO 37)	≥ 300 %
Compression set (ISO 815-1)	70h @ 100 °C : ≤40%

TEMPERATURE

Working temperature	-40/+130 °C
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AGEING

Δ Tensile strength (ISO 188)	168h @ 70 °C : ≤20%
Δ Elongation at break (ISO 188)	168h @ 70 °C : ≤30%
Ozone resistance (ASTM D1149 type A)	50 pphm, 48h, 40°C, 20%: Without cracks
Oil IRM 903, Δ Tensile strength (ISO 188)	72h @ 100 °C : ≤20%
Oil IRM 903, Δ Elongation at break (ISO 188)	72h @ 100 °C : ≤40%

OIL RESISTANCE

Oil IRM 901, Δ volume (ISO 1817)	70h @ 100 °C : -20/5%
Oil IRM 903, Δ volume (ISO 1817)	70h @ 100 °C : ±5%
Transformer Oil, Δ volume (ISO 1817)	70 @ 100 °C : ≤ 5%%

CHEMICAL RESISTANCE

Diluted acids and bases	Very good
Concentrated acids and bases	Good
Ozone	Good
Oils and hydrocarbons	Very good

FEATURES

- High grade NBR for transformer oil.

ADVANTAGES

- 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.

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.

MAINTENANCE RECOMMENDATION

- Always follow manufacturer warnings and instructions when using any cleaning product.

Asbestos
FREE

Halogen
FREE

RoHS
compliant

REACH
compliant

DIMENSIONS

Article number	Stock Situation	Thickness (mm)	Width (mm)	Length (mm)	Weight	Side 1 finish	Side 2 finish	Type of insertion	Number Of Insertions	Inner car-board tube Ø mm
SMBF3100002001	STD NOT STOCK	2	1400 ±2%	15000 ±2%	2,58	Matt	Matt	-	0	80 mm
SMBF3100003001	STD NOT STOCK	3	1400 ±2%	10000 ±2%	3,87	Matt	Matt	-	0	80 mm
SMBF3100004001	STD NOT STOCK	4	1400 ±2%	10000 ±2%	5,16	Matt	Matt	-	0	80 mm
SMBF3100005001	STD NOT STOCK	5	1400 ±2%	10000 ±2%	6,45	Matt	Smooth	-	0	
SMBF3100006001	STD NOT STOCK	6	1400 ±2%	10000 ±2%	7,74	Matt	Smooth	-	0	

IDENTIFICATION

Labelling

Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability. (94/62/EC - LDPE4)

Wrapping

Black polyethylene film.(94/62/EC - LDPE4)

Packaging

Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.