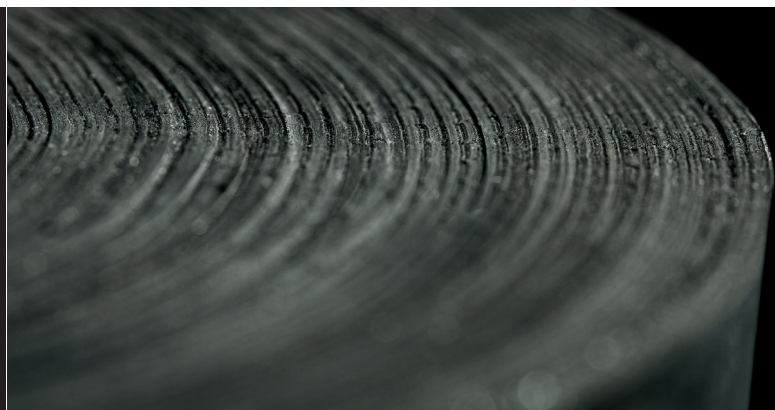


S BS11

TECHNICAL SHEETING

BLACK NBR 50

FOR TECHNICAL APPLICATIONS NITRILE 50 SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

Rubber Compound	NBR
Rubber Color	Black
Density	1.20 g/cm ³ ±0.05
Hardness (ISO 48-4)	50±5 Shore A
Tensile strength (ISO 37)	≥8 MPa
Elongation at break (ISO 37)	≥450 %
Tear resistance (ISO 34-1)	≥30 N/mm
Compression set (ISO 815-1)	24h @ 70 °C : ≤25%

TEMPERATURE

Working temperature	-30/+110 °C
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AGEING

Δ Hardness (ISO 188)	72h @ 100 °C : ≤7 Shore A
Δ Tensile strength (ISO 188)	72h @ 100 °C : ≤ -25%
Δ Elongation at break (ISO 188)	72h @ 100 °C : ≤ -55%

OIL RESISTANCE

Oil IRM 901, Δ volume (ISO 1817)	72h @ 100 °C : ≤15%
Oil IRM 903, Δ volume (ISO 1817)	72h @ 100 °C : ≤30%

CHEMICAL RESISTANCE

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

FEATURES

- High grade 50 Shore A nitrile.

ADVANTAGES

- Excellent oil and grease resistance (maximum temperature +110 °C)
- Excellent hydrocarbons resistance (aromatics content less than 30% and maximum temperature +20 °C)
- Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

APPLICATIONS

- Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with mineral oils and hydrocarbons.

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
S24350101	STD NOT STOCK	1	1400 ±2%	20000 ±2%	1,22	Matt	Matt	-	0	80 mm
S24350201	STD STOCK	2	1400 ±2%	15000 ±2%	2,44	Matt	Matt	-	0	80 mm
S24350301	STD STOCK	3	1400 ±2%	10000 ±2%	3,66	Matt	Matt	-	0	80 mm
S24350401	STD STOCK	4	1400 ±2%	10000 ±2%	4,88	Matt	Matt	-	0	80 mm
SMBS1100005002	STD STOCK	5	1400 ±2%	10000 ±2%	6,1	Matt	Smooth	-	0	
SMBS1100006001	STD NOT STOCK	6	1400 ±2%	10000 ±2%	7,32	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.