

S BS08

TECHNICAL SHEETING

BLACK NBR 70

FOR TECHNICAL APPLICATIONS NITRILE 70 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)	≥10 MPa
Elongation at break (ISO 37)	≥250 %
Tear resistance (ISO 34-1)	≥30 N/mm
Compression set (ISO 815-1)	24h @ 70 °C : ≤15%
Compression 2 set (ISO 815-1)	24h @ 100 °C : ≤20%,

TEMPERATURE

Working temperature	-30/+100 °C
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AGEING

Δ Hardness (ISO 188)	72h @ 100 °C : ≤10 Shore A
Δ Tensile strength (ISO 188)	72h @ 100 °C : ±5%
Δ Elongation at break (ISO 188)	72h @ 100 °C : ≤-35%

OIL RESISTANCE

Oil IRM 901, Δ volume (ISO 1817)	72h @ 100 °C : ≤-16%
Oil IRM 903, Δ volume (ISO 1817)	72h @ 100 °C : ±5%

CHEMICAL RESISTANCE

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

FEATURES

- High grade 70 Shore A NBR.

ADVANTAGES

- Excellent oil and grease resistance (maximum temperature +100 °C)
- Excellent hydrocarbons resistance (aromatics content less than 30% and maximum temperature +20 °C)
- Antistatic sheeting (2.10⁴Ωxm) (IEC 93)
- 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
 - - 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
S54230101	STD STOCK	1	1400 ±2%	20000 ±2%	1,3	Matt	Matt	-	0	80 mm
5029333	STD STOCK	1,5	1400 ±2%	15000 ±2%	1,95	Matt	Matt	-	0	80 mm
D5230091	STD STOCK	2	1400 ±2%	15000 ±2%	2,6	Matt	Matt	-	0	80 mm
D5230026	STD STOCK	3	1400 ±2%	10000 ±2%	3,9	Matt	Matt	-	0	80 mm
D5230064	STD STOCK	4	1400 ±2%	10000 ±2%	5,2	Matt	Matt	-	0	80 mm
S54230501	STD STOCK	5	1400 ±2%	10000 ±2%	6,5	Matt	Smooth	-	0	
SMBS0800006002	STD STOCK	6	1400 ±2%	10000 ±2%	7,8	Matt	Smooth	-	0	
SMBS0800008002	STD STOCK	8	1400 ±2%	5000 ±2%	10,4	Matt	Smooth	-	0	
SMBS0800010003	STD NOT STOCK	10	1400 ±2%	10000 ±2%	13	Matt	Smooth	-	0	
SMBS0800010004	STD STOCK	10	1400 ±2%	5000 ±2%	13	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.