BS08
NBR

NITRILE 70 SHEETING FOR TECHNICAL APPLICATIONS

FEATURES
High grade 70 Shore A NBR.

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

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 ($2.10^4 \Omega$xm) (IEC 93)
- Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

BENEFITS
- Reliability
- Safety
- Performance

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics	Standard	Value	
MECHANICAL			
Rubber compound - black		NBR	l
Density		1.30 ±0.05	g/cm³
Hardness	ASTM D2240	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 after 24h at 70°C	ISO 815-1	≤15	%
Compression set after 24h at 100°C	ISO 815-1	≤20	%
TEMPERATURE			
Working temperature		-30/+100	°C
AGEING			
Δ Hardness after 72h at 100°C	ASTM D573	≤10	Shore A
Δ Tensile strength after 72h at 100°C	ASTM D573	±5	%
Δ Elongation at break after 72h at 100°C	ASTM D573	≤-35	%
OIL RESISTANCE			
Oil IRM 901, Δ volume after 72h at 100°C	ISO 1817	≤-16	%
Oil IRM 903, Δ volume after 72h at 100°C	ISO 1817	±5	%
CHEMICAL RESISTANCE			

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

IDENTIFICATION	
Branding	Without.
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.
Wrapping	Black polyethylene film.
Labelling	Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability.

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.

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THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m²	SIDES FINISH
1 ±0.2	1400 ± 2 %	20 ± 2 %	1.3	2 SIDES MATT
1.5 ±0.25	1400 ± 2 %	15 ± 2 %	1.94	2 SIDES MATT
2 ±0.3	1400 ± 2 %	15 ± 2 %	2.5	2 SIDES MATT
3 ±0.3	1400 ± 2 %	10 ± 2 %	3.6	2 SIDES MATT
4 ±0.4	1400 ± 2 %	10 ± 2 %	5	2 SIDES MATT
5 ±0.4	1400 ± 2 %	10 ± 2 %	6.45	1 SIDE SMOOTH/1 SIDE MATT
6 ±0.5	1400 ± 2 %	10 ± 2 %	7.82	1 SIDE SMOOTH/1 SIDE MATT
8 ±0.7	1400 ± 2 %	5 ± 2 %	10.42	1 SIDE SMOOTH/1 SIDE MATT
10 ±1.0	1400 ± 2 %	5 ± 2 %	12.9	1 SIDE SMOOTH/1 SIDE MATT

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