



# BS08 NBR

black | density 1.30 | hardness 70

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## NITRILE 70 SHEETING: FOR TECHNICAL APPLICATIONS

### 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 (2.10<sup>4</sup> Ωxm) (IEC 93)
- ▶ Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes

### BENEFITS

- ▶ Reliability
- ▶ Safety
- ▶ Performance

### APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with:

- ▶ mineral oils
- ▶ hydrocarbons

[www.trelleborg.com/elastomerlaminates](http://www.trelleborg.com/elastomerlaminates)

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

MECHANICAL	Measured characteristics	Standard	Value	
	Rubber compound		NBR	
	Density		1.30 ± 0.05	g/cm <sup>3</sup>
	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 24 h at 70 °C	ISO 815-1	≤ 15	%
	Compression set after 24 h at 100 °C	ISO 815-1	≤ 20	%
TEMPERATURE				
	Working temperature		-30/+100	°C
AGEING				
	Δ Hardness after 72 h at 100 °C	ASTM D573	≤ 10	Shore A
	Δ Tensile strength after 72 h at 100 °C	ASTM D573	± 5	%
	Δ Elongation at break after 72 h at 100 °C	ASTM D573	≤ -35	%
OIL RESISTANCE				
	Oil IRM 901, Δ volume after 72 h at 100 °C	ASTM D471	≤ -16	%
	Oil IRM 903, Δ volume after 72 h at 100 °C	ASTM D471	± 5	%
CHEMICAL RESISTANCE				
	Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
	<b>Very good</b>	<b>Good</b>	<b>Medium</b>	<b>Very good</b>

## DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m <sup>2</sup> )	Pattern
1 ± 0.3	1400 ± 2 %	20 ± 2 %	1.30	2 sides matt
1.5 ± 0.3	1400 ± 2 %	15 ± 2 %	1.95	2 sides matt
2 ± 0.3	1400 ± 2 %	15 ± 2 %	2.60	2 sides matt
3 ± 0.3	1400 ± 2 %	10 ± 2 %	3.90	2 sides matt
4 ± 0.4	1400 ± 2 %	10 ± 2 %	5.20	2 sides matt
5 ± 0.4	1400 ± 2 %	10 ± 2 %	6.50	1 side smooth/1 side matt
6 ± 0.5	1400 ± 2 %	10 ± 2 %	7.80	1 side smooth/1 side matt
8 ± 0.7	1400 ± 2 %	5 ± 2 %	10.40	1 side smooth/1 side matt
10 ± 1.0	1400 ± 2 %	5 ± 2 %	13.00	1 side smooth/1 side matt

## IDENTIFICATION

Branding	Without.
Packaging	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll.
Wrapping	Black polyethylene film.
Labelling	Self-adhesive label indicating product name, dimensions, area in m <sup>2</sup> , nominal weight, and product code to allow product traceability.