

B668 NBR

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NITRILE SHEETING: VERY HIGH PERFORMANCE

FEATURES

High ACN content NBR sheeting.

ADVANTAGES

- Very good resistance to oils and hydrocarbons
- Good resistance to most inorganic chemical products
- Satisfactory resistance to aliphatic hydrocarbons
- Good ageing resistance
- Good dry high temperature resistance (maximum temperature + 120 °C)
- Good ratio quality/price
- Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes

BENEFITS

- Reliability
- Safety
- Service life

APPLICATIONS

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

- animal and vegetable fats and oils (maximum + 100 °C)
- hydrocarbons with aromatics content less than 30 % (maximum + 20 °C)

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
MECHANICAL				
	<i>Rubber compound - black</i>			NBR 
	<i>Density</i>		1.25 ± 0.05	g/cm ³
	<i>Hardness</i>	ASTM D2240	70 ± 5	Shore A
	<i>Tensile strength</i>	ISO 37	≥ 13	MPa
	<i>Elongation at break</i>	ISO 37	≥ 250	%
	<i>Tear resistance</i>	ISO 34-1	≥ 30	N/mm
	<i>Compression set after 22 h at 70 °C</i>	ISO 815-1	≤ 20	%
TEMPERATURE				
	<i>Working temperature</i>		- 30/+ 120	°C
AGEING				
	<i>Δ Hardness after 70 h at 100 °C</i>	ASTM D573	≤ 10	Shore A
	<i>Δ Tensile strength after 70 h at 100 °C</i>	ASTM D573	≤ - 15	%
	<i>Δ Elongation at break after 70 h at 100 °C</i>	ASTM D573	≤ - 35	%
OIL RESISTANCE				
	<i>Oil IRM 901, Δ volume after 70 h at 100 °C</i>	ASTM D471	≤ 5	%
	<i>Oil IRM 903, Δ volume after 70 h at 100 °C</i>	ASTM D471	≤ 12	%
CHEMICAL RESISTANCE				
<i>Diluted acids and bases</i>	<i>Concentrated acids and bases</i>	<i>Ozone</i>	<i>Oils and hydrocarbons</i>	
Very good	Good	Medium	Very good	

DIMENSIONS

	Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	Sides finish
1	± 0.3	1400 ± 2 %	20 ± 2 %	1.25	2 sides matt
2	± 0.3	1400 ± 2 %	15 ± 2 %	2.50	2 sides matt
3	± 0.3	1400 ± 2 %	10 ± 2 %	3.75	2 sides matt
4	± 0.4	1400 ± 2 %	10 ± 2 %	5.00	2 sides matt
5	± 0.4	1400 ± 2 %	10 ± 2 %	6.25	1 side smooth/1 side matt
6	± 0.5	1400 ± 2 %	10 ± 2 %	7.50	1 side smooth/1 side matt
8	± 0.7	1400 ± 2 %	5 ± 2 %	10.00	1 side smooth/1 side matt
10	± 1.0	1400 ± 2 %	5 ± 2 %	12.50	1 side smooth/1 side matt

IDENTIFICATION

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