

# B609 NBR SBR

16/07/2014



## NITRILE SHEETING: BASIC QUALITY

### FEATURES

Basic quality level NBR.

### ADVANTAGES

- Medium resistance to hydrocarbons
- Good ratio quality/price

### BENEFITS

- Economy

### APPLICATIONS

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

No resistance to petrol, oxygenated fuel, domestic gas.

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

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
<b>MECHANICAL</b>				
	<i>Rubber compound - black</i>		NBR/SBR ●	
	<i>Density</i>		1.50 ± 0.05	g/cm <sup>3</sup>
	<i>Hardness</i>	ASTM D2240	65 ± 5	Shore A
	<i>Tensile strength</i>	ISO 37	≥ 4	MPa
	<i>Elongation at break</i>	ISO 37	≥ 250	%
	<i>Tear resistance</i>	ISO 34-1	≥ 15	N/mm
	<i>Compression set after 22 h at 70 °C</i>	ISO 815-1	≤ 45	%
<b>TEMPERATURE</b>				
	<i>Working temperature</i>		- 25/+ 90	°C
<b>AGEING</b>				
	<i>Δ Hardness after 70 h at 70 °C</i>	ASTM D573	≤ 5	Shore A
	<i>Δ Tensile strenght after 70 h at 70 °C</i>	ASTM D573	≤ - 15	%
	<i>Δ Elongation at break after 70 h at 70 °C</i>	ASTM D573	≤ - 40	%
<b>OIL RESISTANCE</b>				
	<i>Oil IRM 901, Δ volume after 70 h at 70 °C</i>	ASTM D471	≤ 25	%
<b>CHEMICAL RESISTANCE</b>				
	<i>Diluted acids and bases</i>	<i>Concentrated acids and bases</i>	<i>Ozone</i>	<i>Oils and hydrocarbons</i>
	<b>Medium</b>	<b>Non suitable</b>	<b>Medium</b>	<b>Medium</b>

## DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m <sup>2</sup> )	Sides finish	Option (ply)
1 ± 0.3	1400 ± 2 %	20 ± 2 %	1.5	2 smooth sides	
1.5 ± 0.3	1400 ± 2 %	15 ± 2 %	2.25	2 smooth sides	
2 ± 0.3	1400 ± 2 %	15 ± 2 %	3	2 smooth sides	1P
3 ± 0.3	1400 ± 2 %	10 ± 2 %	4.5	2 smooth sides	1P
4 ± 0.4	1400 ± 2 %	10 ± 2 %	6	2 smooth sides	2P
5 ± 0.4	1400 ± 2 %	10 ± 2 %	7.5	2 smooth sides	2P
6 ± 0.5	1400 ± 2 %	10 ± 2 %	9	2 smooth sides	
8 ± 0.7	1400 ± 2 %	5 ± 2 %	12	2 smooth sides	
10 ± 1.0	1400 ± 2 %	5 ± 2 %	15	2 smooth sides	

## 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 <sup>2</sup> , nominal weight, and product code to allow product traceability.