

# B609 NBR/SBR

black | density 1.50 | hardness 65

03/07/2014

## 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</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 strength 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> )	Pattern	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.