

R608 SBR

16/07/2014



SBR SHEETING: BASIC QUALITY

FEATURES

Basic quality level SBR for general purpose use.

ADVANTAGES

- Flexible
- Good ageing resistance
- Good low temperature resistance
- Reduce the cost of cutting gaskets, washers, etc.
- Good ratio quality/price

BENEFITS

- Economy


APPLICATIONS

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

- water
- oil free compressed air

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
<i>Rubber compound - black</i>			SBR 	
<i>Density</i>			1.50 ± 0.05	g/cm ³
<i>Hardness</i>		ASTM D2240	65 ± 5	Shore A
<i>Tensile strength</i>		ISO 37	≥ 4	MPa
<i>Elongation at break</i>		ISO 37	≥ 200	%
<i>Tear resistance</i>		ISO 34-1	≥ 12	N/mm
<i>Compression set after 22 h at 70 °C</i>		ISO 815-1	≤ 43	%
TEMPERATURE				
<i>Working temperature</i>			- 25/+ 70	°C
AGEING				
<i>Δ Hardness after 70 h at 70 °C</i>		ASTM D573	≤ 10	Shore A
<i>Δ Tensile strength after 70 h at 70 °C</i>		ASTM D573	≤ - 20	%
<i>Δ Elongation at break after 70 h at 70 °C</i>		ASTM D573	≤ - 40	%
CHEMICAL RESISTANCE				
<i>Diluted acids and bases</i>		<i>Concentrated acids and bases</i>	<i>Ozone</i>	<i>Oils and hydrocarbons</i>
Medium	Non suitable	Medium	Non suitable	

DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	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	1P
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 2P
4	± 0.4	1400 ± 2 %	10 ± 2 %	6	2 smooth sides	1P 2P
5	± 0.4	1400 ± 2 %	10 ± 2 %	7.5	2 smooth sides	1P 2P
6	± 0.5	1400 ± 2 %	10 ± 2 %	9	2 smooth sides	1P 2P
8	± 0.7	1400 ± 2 %	5 ± 2 %	12	2 smooth sides	2P
10	± 1.0	1400 ± 2 %	5 ± 2 %	15	2 smooth sides	2P
12	± 1.0	1400 ± 2 %	5 ± 2 %	18	2 smooth sides	
15	± 1.0	1400 ± 2 %	5 ± 2 %	22.5	2 smooth sides	
20	± 1.4	1400 ± 2 %	5 ± 2 %	30	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 ² , nominal weight, and product code to allow product traceability.