

RF01 NR SBR

16/07/2014



SBR SHEETING: STANDARD LEVEL QUALITY

FEATURES

Standard SBR for general purpose use.

ADVANTAGES

- Flexible
- Good ageing resistance
- Good low temperature resistance
- Good ratio quality/price

BENEFITS

- Reliability
- Economy


APPLICATIONS

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

- water (maximum temperature + 70 °C)
- oil free compressed air

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value
MECHANICAL			
Rubber compound - black			NR/SBR 
Density			1.45 ± 0.05 g/cm ³
Hardness		ASTM D2240	60 ± 5 Shore A
Tensile strength		ISO 37	≥ 4 MPa
Elongation at break		ISO 37	≥ 250 %
Tear resistance		ISO 34-1	≥ 15 N/mm
Compression set after 22 h at 70 °C		ISO 815-1	≤ 60 %
TEMPERATURE			
Working temperature			- 20/+ 70 °C
AGEING			
Δ Tensile strength after 168 h at 70 °C		ASTM D573	≤ - 20 %
Δ Elongation at break after 168 h at 70 °C		ASTM D573	≤ - 30 %
CHEMICAL RESISTANCE			
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Good	Good	Non suitable

DIMENSIONS

Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m ²)	Sides finish	Option (ply)
2	± 0.3	1400	± 2 %	15	± 2 %	2.90	2 smooth sides	1P
3	± 0.3	1400	± 2 %	10	± 2 %	4.35	2 smooth sides	1P
4	± 0.4	1400	± 2 %	10	± 2 %	5.80	2 smooth sides	1P 2P
5	± 0.4	1400	± 2 %	10	± 2 %	7.25	2 smooth sides	1P 2P
6	± 0.5	1400	± 2 %	10	± 2 %	8.70	2 smooth sides	2P
8	± 0.7	1400	± 2 %	5	± 2 %	11.60	2 smooth sides	2P
10	± 1.0	1400	± 2 %	5	± 2 %	14.50	2 smooth sides	2P
12	± 1.0	1400	± 2 %	5	± 2 %	17.40	2 smooth sides	
15	± 1.0	1400	± 2 %	5	± 2 %	21.75	2 smooth sides	
20	± 1.4	1400	± 2 %	5	± 2 %	29.00	2 smooth sides	

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 ² , nominal weight, and product code to allow product traceability.