

R642 NR

16/07/2014



NR SHEETING: WHITE FOOD QUALITY

FEATURES

Natural Rubber, white, food grade, meeting regulation (EC) 1935/2004 (European legislation) and FDA classification (American legislation).

REGULATIONS

- Meeting european regulations (EC) n° 1935/2004 and 2023/2006
- The material is in compliance with FDA 21 CFR Part. 177. Indirect Food Additives: Polymers. Sec 177.2600 Rubber articles intended for repeated use for contact with aqueous food
- Quality certificate available under request

ADVANTAGES

- Good ratio quality/price

BENEFITS

- Performance
- Legality
- Food safety
- Hygiene, cleanliness
- Economy

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with food grade products without oil and grease.

MAINTENANCE RECOMMENDATION

Always follow manufacturer warnings and instructions when using any cleaning product.

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value	
MECHANICAL				
	<i>Rubber compound - white</i>		NR	○
	<i>Density</i>		1.30 ± 0.05	g/cm ³
	<i>Hardness</i>	ASTM D2240	65 ± 5	Shore A
	<i>Tensile strength</i>	ISO 37	≥ 10	MPa
	<i>Elongation at break</i>	ISO 37	≥ 600	%
	<i>Tear resistance</i>	ISO 34-1	≥ 26	N/mm
	<i>Abrasion resistance (10 N)</i>	ISO 4649	≤ 200	mm ³
	<i>Compression set after 22 h at 70 °C</i>	ISO 815-1	≤ 35	%
TEMPERATURE				
	<i>Working temperature</i>		- 45/+ 80	°C
AGEING				
	<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	≤ - 25	%
CHEMICAL RESISTANCE				
	<i>Diluted acids and bases</i>	<i>Concentrated acids and bases</i>	<i>Ozone</i>	<i>Oils and hydrocarbons</i>
	Good	Medium	Medium	Non suitable

DIMENSIONS

	Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m ²)	Sides finish
1	± 0.3	1400 ± 2 %	20 ± 2 %	1.30	2 smooth sides
1.5	± 0.3	1400 ± 2 %	15 ± 2 %	1.95	2 smooth sides
2	± 0.3	1400 ± 2 %	15 ± 2 %	2.60	2 smooth sides
3	± 0.3	1400 ± 2 %	10 ± 2 %	3.90	2 smooth sides
4	± 0.4	1400 ± 2 %	10 ± 2 %	5.20	2 smooth sides
5	± 0.4	1400 ± 2 %	10 ± 2 %	6.50	2 smooth sides
6	± 0.5	1400 ± 2 %	10 ± 2 %	7.80	2 smooth sides
8	± 0.7	1400 ± 2 %	5 ± 2 %	10.40	2 smooth sides
10	± 1.0	1400 ± 2 %	5 ± 2 %	13.00	2 smooth sides
15	± 1.0	1400 ± 2 %	5 ± 2 %	19.50	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>	White 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.