

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

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

	Measured characteristics	Standard	Value
<b>MECHANICAL</b>			
	Rubber compound - white		NR 
	Density		1.30 ± 0.05 g/cm³
	Hardness	ASTM D2240	65 ± 5 Shore A
	Tensile strength	ISO 37	≥ 10 MPa
	Elongation at break	ISO 37	≥ 600 %
	Tear resistance	ISO 34-1	≥ 26 N/mm
	Abrasion resistance (10 N)	ISO 4649	≤ 200 mm³
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 35 %
<b>TEMPERATURE</b>			
	Working temperature		- 45/+ 80 °C
<b>AGEING</b>			
	Δ Hardness after 70 h at 70 °C	ASTM D573	≤ 5 Shore A
	Δ Tensile strenght after 70 h at 70 °C	ASTM D573	≤ - 15 %
	Δ Elongation at break after 70 h at 70 °C	ASTM D573	≤ - 25 %
<b>CHEMICAL RESISTANCE</b>			
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Good	Medium	Medium	Non suitable

## DIMENSIONS

Thickness (mm)	Width (mm)	Length (m)	Weight (kg/m²)	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

Branding	Without.
Packaging	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll.
Wrapping	White polyethylene film.
Labelling	Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability.