



R642 NR



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.
- IANESCO certificate (Institut français de Poitiers).
- Quality certificate available under request.

APPLICATIONS

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

ADVANTAGES

- Good ratio quality/price

BENEFITS

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

MAINTENANCE RECOMMENDATION

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

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics	Standard	Value	
MECHANICAL			
Rubber compound - white		NR	
Density		1.40 ±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 (10N)	ISO 4649	≤200	mm³
Compression set after 22h at 70 °C	ISO 815-1	≤35	%

TEMPERATURE

Working temperature	-45/+80	°C
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AGEING

Δ Hardness after 70h at 70 °C	ASTM D573	≤5	Shore A
Δ Tensile strength after 70h at 70 °C	ASTM D573	≤20	%
Δ Elongation at break after 70h at 70 °C	ASTM D573	≤30	%

CHEMICAL RESISTANCE

Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Good	Medium	Medium	Non suitable

IDENTIFICATION

Branding	Without.
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm 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.

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.

NR		NR SHEETING		R642			
THICKNESS mm		WIDTH mm		LENGTH m		WEIGHT kg/m ²	
1±0.2		1400±2 %		20±2 %		1.29	
1.5±0.25		1400±2 %		15±2 %		1.94	
2±0.3		1400±2 %		15±2 %		2.58	
3±0.3		1400±2 %		10±2 %		3.87	
4±0.4		1400±2 %		10±2 %		5.16	
5±0.4		1400±2 %		10±2 %		6.45	
6±0.5		1400±2 %		10±2 %		7.74	
8±0.7		1400±2 %		5±2 %		10.32	
10±1.0		1400±2 %		5±2 %		12.9	
15±1.0		1400±2 %		5±2 %		19.35	

