

# B571

# NBR



## NITRILE SHEETING WHITE FOOD QUALITY

### FEATURES

NBR, 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 and with fatty 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 fatty food products, especially vegetable fats.

### ADVANTAGES

- Very good oil, animal and vegetable fats resistance
- Good low temperature resistance
- Good high temperature resistance
- Good ratio quality/price

### BENEFITS

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

### MAINTENANCE RECOMMENDATION

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

### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - white			NBR	
	Density		1.44 ±0.05	g/cm <sup>3</sup>
	Hardness	ASTM D2240	65 ±5	Shore A
	Tensile strength	ISO 37	≥10	MPa
	Elongation at break	ISO 37	≥500	%
	Tear resistance	ISO 34-1	≥20	N/mm
	Compression set after 22h at 70 °C	ISO 815-1	≤35	%
<b>TEMPERATURE</b>				
	Working temperature		-35/+110	°C
<b>AGEING</b>				
	Δ Hardness after 70h at 70 °C	ASTM D573	≤5	Shore A
	Δ Tensile strength after 70h at 70 °C	ASTM D573	≤10	%
	Δ Elongation at break after 70h at 70 °C	ASTM D573	≤20	%
<b>OIL RESISTANCE</b>				
	IRM 901 Oil, Δ volume after 70h at 70 °C	ISO 1817	≤5	%
	Vegetal Oil, Δ volume after 70h at 100 °C	ISO 1817	≤10	%

### CHEMICAL RESISTANCE

Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Good	Medium	Very good

### 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 m <sup>2</sup> , 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.

NBR		NITRILE SHEETING		B571	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
1±0.2	1400±2%	20±2%	1.45	2 SMOOTH SIDES	
1.5±0.25	1400±2%	15±2%	2.17	2 SMOOTH SIDES	
2±0.3	1400±2%	15±2%	2.89	2 SMOOTH SIDES	
3±0.3	1400±2%	10±2%	4.34	2 SMOOTH SIDES	
4±0.4	1400±2%	10±2%	5.78	2 SMOOTH SIDES	
5±0.4	1400±2%	10±2%	7.23	2 SMOOTH SIDES	
6±0.5	1400±2%	10±2%	8.67	2 SMOOTH SIDES	
8±0.7	1400±2%	5±2%	11.41	2 SMOOTH SIDES	
10±1.0	1400±2%	5±2%	14.3	2 SMOOTH SIDES	

