



# E569 EPDM

white | density 1.27 | hardness 60

03/07/2014

## WHITE EPDM SHEETING: FOOD QUALITY



### FEATURES

EPDM, 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

- ▶ Very good resistance to ozone and ageing
- ▶ Excellent temperature resistance (- 40/+ 115 °C)
- ▶ Good ratio quality/price
- ▶ Matte finish to guarantee a good surface finished quality, to secure an easy unrolling, and to facilitate adhesive bonding processes

### BENEFITS

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

### APPLICATIONS

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

- ▶ foodstuffs
- ▶ water (maximum temperature + 100 °C)
- ▶ oxidizing and non oxidizing diluted acids

Non suitable for contact with oil or vegetable fats.

### 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

MECHANICAL	Measured characteristics	Standard	Value	
	Rubber compound		EPDM	
	Density		1.27 ± 0.05	g/cm <sup>3</sup>
	Hardness	ASTM D2240	60 ± 5	Shore A
	Tensile strength	ISO 37	≥ 8	MPa
	Elongation at break	ISO 37	≥ 350	%
	Tear resistance	ISO 34-1	≥ 18	N/mm
	Compression set after 22 h at 70 °C	ISO 815-1	≤ 40	%
TEMPERATURE				
	Working temperature		- 40/+ 115	°C
AGEING				
	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	≤ - 40	%
	Ozone resistance, 200 pphm, 48 h, 38 °C, 20 %	ASTM D1149 type A	No crack	
CHEMICAL RESISTANCE				
	Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
	Very good	Good	Very good	Non suitable

## DIMENSIONS

Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m <sup>2</sup> )	Pattern
1	± 0.3	1400	± 2 %	20	± 2 %	1.27	2 sides matt
1.5	± 0.3	1400	± 2 %	15	± 2 %	1.91	2 sides matt
2	± 0.3	1400	± 2 %	15	± 2 %	2.54	2 sides matt
3	± 0.3	1400	± 2 %	10	± 2 %	3.81	2 sides matt
4	± 0.4	1400	± 2 %	10	± 2 %	5.08	2 sides matt
5	± 0.4	1400	± 2 %	10	± 2 %	6.35	2 sides matt
6	± 0.5	1400	± 2 %	10	± 2 %	7.62	1 side smooth/1 side matt

## 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 m <sup>2</sup> , nominal weight, and product code to allow product traceability.