

E569

EPDM



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

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.

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 and to secure an easy unrolling.

BENEFITS

- Performance
- Legality
- Hygiene, cleanliness
- Food safety

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			EPDM	
	Density		1.27 ±0.05	g/cm ³
	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 22h at 70 °C	ISO 815-1	≤40	%
TEMPERATURE				
	Working temperature		-40/+115	°C
AGEING				
	Δ Hardness after 70h at 70 °C	ASTM D573	≤5	Shore A
	Δ Tensile strength after 70h at 70 °C	ASTM D573	≤15	%
	Δ Elongation at break after 70h at 70 °C	ASTM D573	≤40	%
	Ozone resistance, 200pphm, 48h, 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

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 ² , nominal weight, and product code to allow product traceability.

EPDM		EPDM SHEETING		E569	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH	
1±0.2	1400±2%	20±2%	1.26	2 SIDES MATT	
1.5±0.25	1400±2%	15±2%	1.9	2 SIDES MATT	
2±0.3	1400±2%	15±2%	2.53	2 SIDES MATT	
3±0.3	1400±2%	10±2%	3.79	2 SIDES MATT	
4±0.4	1400±2%	10±2%	5.06	2 SIDES MATT	
5±0.4	1400±2%	10±2%	6.32	2 SIDES MATT	
6±0.5	1400±2%	10±2%	7.59	1 SIDE SMOOTH/1 SIDE MATT	

