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 industrial 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/cm³
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 m2, nominal weight, and product code to allow product traceability.

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THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m²	SIDES FINISH
1 ±0.2	1400 ± 2 %	20 ± 2 %	1.26	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
8 ±0.7	1400 ± 2 %	5 ± 2 %	10.03	1 SIDE SMOOTH/1 SIDE MATT
10 ±1.0	1400 ± 2 %	5 ± 2 %	12.53	1 SIDE SMOOTH/1 SIDE MATT

TRELLEBORG