

E550

EPDM



EPDM 50 SHEETING FOR TECHNICAL APPLICATIONS

FEATURES

50 Shore A EPDM.

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with water, oxidizing and non oxidizing diluted acids.

ADVANTAGES

- ▮ Very good resistance to ozone and ageing
- ▮ Excellent temperature resistance (-40/+115 °C)
- ▮ Excellent resistance to most inorganic or corrosive chemical products
- ▮ Highly resistant to mineral acids, detergents, phosphoric ethers, ketones, alcohols, or low molecular weight glycols
- ▮ Very good performance with hot water or high pressure steam
- ▮ Very good mechanical properties, especially tear resistance
- ▮ Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

BENEFITS

- ▮ Service life
- ▮ Performance
- ▮ Safety

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
Rubber compound - black			EPDM	I
	Density		1.17 ±0.05	g/cm ³
	Hardness	ASTM D2240	50 ±5	Shore A
	Tensile strength	ISO 37	≥9	MPa
	Elongation at break	ISO 37	≥450	%
	Tear resistance	ISO 34-1	≥23	N/mm
	Compression set after 22h at 70 °C	ISO 815-1	≤35	%
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	Black polyethylene film.			
Labelling	Self-adhesive label indicating product name, dimensions, area in m2, nominal weight, and product code to allow product traceability.			

EPDM		EPDM 50 SHEETING		E550	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH	
2±0.3	1400±2%	15±2%	2.24	1 SIDE SMOOTH/1 SIDE MATT	
3±0.3	1400±2%	10±2%	3.36	1 SIDE SMOOTH/1 SIDE MATT	
4±0.4	1400±2%	10±2%	4.48	1 SIDE SMOOTH/1 SIDE MATT	
5±0.4	1400±2%	10±2%	5.8	1 SIDE SMOOTH/1 SIDE MATT	
6±0.5	1400±2%	10±2%	6.96	1 SIDE SMOOTH/1 SIDE MATT	
8±0.7	1400±2%	5±2%	9.03	1 SIDE SMOOTH/1 SIDE MATT	
10±1.0	1400±2%	5±2%	11.29	1 SIDE SMOOTH/1 SIDE MATT	

