



# E550 EPDM



## EPDM 50 SHEETING FOR TECHNICAL APPLICATIONS

### FEATURES

50 Shore A EPDM.

### APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general industrial 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			1.11 ±0.05	g/cm³
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.

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.

EPDM		EPDM 50 SHEETING		E550	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	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	

