

# ES03

# EPDM



## EPDM SHEETING HIGH TEMPERATURE

### FEATURES

Peroxyde cured EPDM with high mechanical properties, especially at high temperature.

### 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/+150 °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
- Excellent mechanical properties, even at high temperature
- 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	
<b>MECHANICAL</b>				
Rubber compound - black			EPDM	I
	Density		1.24 ±0.05	g/cm <sup>3</sup>
	Hardness	ASTM D2240	70 ±5	Shore A
	Tensile strength	ISO 37	≥10	MPa
	Elongation at break	ISO 37	≥300	%
	Compression set after 24 at 100 °C	ISO 815-1	≤30	%
<b>TEMPERATURE</b>				
	Working temperature		-40/+150	°C
<b>AGEING</b>				
	Δ Hardness after 72h at 125 °C	ASTM D573	≤5	Shore A
	Δ Tensile strength after 72h at 125 °C	ASTM D573	≤-15	%
	Δ Elongation at break after 72h at 125 °C	ASTM D573	≤-25	%
	Ozone resistance, 200pphm, 96h, 30 °C, 80%	ASTM D1149 type A	No crack	
<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Good	Very good	Non suitable	
<b>IDENTIFICATION</b>				
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 SHEETING		ES03	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
1±0.2	1400±2%	20±2%	1.24	1 SIDE SMOOTH/1 SIDE MATT	
2±0.3	1400±2%	15±2%	2.48	1 SIDE SMOOTH/1 SIDE MATT	
3±0.3	1400±2%	10±2%	3.72	1 SIDE SMOOTH/1 SIDE MATT	
4±0.4	1400±2%	10±2%	4.96	1 SIDE SMOOTH/1 SIDE MATT	
5±0.4	1400±2%	10±2%	6.19	1 SIDE SMOOTH/1 SIDE MATT	
6±0.5	1400±2%	10±2%	7.43	1 SIDE SMOOTH/1 SIDE MATT	
8±0.7	1400±2%	5±2%	9.9	1 SIDE SMOOTH/1 SIDE MATT	
10±1.0	1400±2%	5±2%	12.4	1 SIDE SMOOTH/1 SIDE MATT	

