

# EF51

# EPDM



## EPDM SHEETING STANDARD LEVEL QUALITY

### FEATURES

Standard 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
- † Good ageing resistance
- † Good temperature resistance
- † Good ratio quality/price

### BENEFITS

- † Service life
- † Economy

### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - black			EPDM	I
Density			1.30 ±0.05	g/cm <sup>3</sup>
Hardness	ASTM D2240		65 ±5	Shore A
Tensile strength	ISO 37		≥5	MPa
Elongation at break	ISO 37		≥200	%
Tear resistance	ISO 34-1		≥20	N/mm
Compression set after 22h at 70 °C	ISO 815-1		≤40	%
Compression set after 22h at 100 °C	ISO 815-1		≤60	%
<b>TEMPERATURE</b>				
Working temperature			-25/+120	°C
<b>AGEING</b>				
Δ Hardness after 70h at 70 °C	ASTM D573		≤-30	Shore A
Δ Elongation at break after 70h at 70 °C	ASTM D573		≤-50	%
Ozone resistance, 200pphm, 48h, 40 °C, 20%	ISO 1431-1 method A		No crack	
<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Medium	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 m <sup>2</sup> , 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		EF51	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
1±0.2	1400±2%	20±2%	1.3	2 SMOOTH SIDES	
1.5±0.25	1400±2%	15±2%	1.95	2 SMOOTH SIDES	
2±0.3	1400±2%	15±2%	2.6	2 SMOOTH SIDES	
3±0.3	1400±2%	10±2%	3.9	2 SMOOTH SIDES	
4±0.4	1400±2%	10±2%	5.2	2 SMOOTH SIDES	
5±0.4	1400±2%	10±2%	6.5	2 SMOOTH SIDES	
6±0.5	1400±2%	10±2%	7.8	2 SMOOTH SIDES	
8±0.7	1400±2%	5±2%	10.4	2 SMOOTH SIDES	
10±1.0	1400±2%	5±2%	13	2 SMOOTH SIDES	
12±1.0	1400±2%	5±2%	15.6	2 SMOOTH SIDES	
15±1.0	1400±2%	5±2%	19.5	2 SMOOTH SIDES	
20±1.4	1400±2%	5±2%	26	2 SMOOTH SIDES	

