

EF51 EPDM

16/07/2014



EPDM SHEETING: STANDARD LEVEL QUALITY

FEATURES

Standard EPDM.

ADVANTAGES

- Very good resistance to ozone
- Good ageing resistance
- Good temperature resistance
- Good ratio quality/price

BENEFITS


- Service life
- Economy

APPLICATIONS

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

www.trelleborg.com/elastomerlaminates

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

MECHANICAL			
Rubber compound - black		EPDM	
Density		1.30 ± 0.05	g/cm³
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 22 h at 70 °C	ISO 815-1	≤ 40	%
Compression set after 22 h at 100 °C	ISO 815-1	≤ 60	%
TEMPERATURE			
Working temperature		- 25/+ 120	°C
AGEING			
Δ Tensile strenght after 70 h at 70 °C		ASTM D573	≤ - 30 %
Δ Elongation at break after 70 h at 70 °C		ASTM D573	≤ - 50 %
Ozone resistance, 200 pphm, 48 h, 40 °C, 20 %		ISO 1431-1 method A	No crack
CHEMICAL RESISTANCE			
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Medium	Very good	Non suitable

DIMENSIONS

Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m ²)	Sides finish
1	± 0.3	1400	± 2 %	20	± 2 %	1.30	2 smooth sides
1.5	± 0.3	1400	± 2 %	15	± 2 %	1.95	2 smooth sides
2	± 0.3	1400	± 2 %	15	± 2 %	2.60	2 smooth sides
3	± 0.3	1400	± 2 %	10	± 2 %	3.90	2 smooth sides
4	± 0.4	1400	± 2 %	10	± 2 %	5.20	2 smooth sides
5	± 0.4	1400	± 2 %	10	± 2 %	6.50	2 smooth sides
6	± 0.5	1400	± 2 %	10	± 2 %	7.80	2 smooth sides
8	± 0.7	1400	± 2 %	5	± 2 %	10.40	2 smooth sides
10	± 1.0	1400	± 2 %	5	± 2 %	13.00	2 smooth sides
12	± 1.0	1400	± 2 %	5	± 2 %	15.60	2 smooth sides
15	± 1.0	1400	± 2 %	5	± 2 %	19.50	2 smooth sides
20	± 1.4	1400	± 2 %	5	± 2 %	26.00	2 smooth sides

IDENTIFICATION

<i>Branding</i>	Without.
<i>Packaging</i>	Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll.
<i>Wrapping</i>	Black polyethylene film.
<i>Labelling</i>	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.