



EPDM

EPDM is an elastomer. The elastomers are those polymers which have an elastic performance, this is, they deform when subjected to a force but recover its original form when the force disappears. It is a versatile, impermeable, elastic, flexible and long lasting material.

The ethylene propylene diene rubber (EPDM) is obtained with a third monomer through a vulcanization process. This process consists in warming the raw rubber with presence of sulfur so it produces a reticulation of the material (formation of sulfur bridges). This process converts the rubber in a harder, impermeable and more cold resistance material.

Technical Specifications

Type	Closed cell	
Density	150 kg/m ³	
Traction resistance	>450 kPa	DIN 53571
Elongation	>120 %	DIN 53571
Tear resistance	>0.5 kN/m	NFR 99211 - 80
Compression set 7 days at 70°C	+30 %	ASTM D1056
Dimensional Stability	< 5 (22 h 70°C) %	
Working temperature	- 40 / + 80 °C	
Water absorption	< 5 %	
Hardness Shore "00"	51.7	ASTM D1056-00
Ozone Test	No breaks (200 pphm/40°C)	
Fire resistance (C.C)	OK (1E)	FMV SS302
Stain resistance	Does not stain with paint	NTF 46-031
CFC	Without CFC	
Environmental Standard	OK	2000/53/CE

Applications and cleaning

Check this information in the Technical File of the product.

Technical Information

You can amplify information about the technical features of Emac®'s products by downloading their Technical File from www.emac.es.

If you have any query please contact our Technical Department in tecnico@emac.es