

ES03

EPDM



EPDM SHEETING HIGH TEMPERATURE

Caractéristiques

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.

Avantages

- ▮ 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.

Bénéfices

- ▮ Service life
- ▮ Performance
- ▮ Safety

PROPRIETES MECANQUES ET PHYSICO CHIMIQUES

Caractéristiques mesurées		Norme de référence	Valeur	
MECANIQUES				
Elastomère - Noir			EPDM	I
Densité			1.24 ±0.05	g/cm ³
Dureté	ASTM D2240		70 ±5	Shore A
Tensile strength	ISO 37		≥10	MPa
Elongation at break	ISO 37		≥300	%
Compression set after 24 à 100 °C	ISO 815-1		≤30	%
TEMPERATURE				
Température d'utilisation			-40/+150	°C
VIEILLISSEMENT				
Dureté après 72h à 125 °C	ASTM D573		≤5	Shore A
Rr/Rr après 72h à 125 °C	ASTM D573		≤15	%
Ar/Ar après 72h à 125 °C	ASTM D573		≤25	%
Ozone resistance, 200pphm, 96h, 30 °C, 80%	ASTM D1149 type A		No crack	
Résistance Chimique				
Acides et bases dilués	Acides et bases concentrés	Ozone	Huiles et Hydrocarbures	
Very good	Good	Very good	Non suitable	
Identification				
Marquage	Without.			
Conditionnement	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Emballage	Black polyethylene film.			
Etiquetage	Self-adhesive label indicating product name, dimensions, area in m2, nominal weight, and product code to allow product traceability.			

Identification

EPDM	EPDM SHEETING	ES03			
EPAISSEUR mm	LARGEUR mm	LONGEUR m	WEIGHT kg/m ²	ASPECT	
1±0.2	1400±2%	20±2%	1.24	LFODF	
2±0.3	1400±2%	15±2%	2.48	LFODF	
3±0.3	1400±2%	10±2%	3.72	LFODF	
4±0.4	1400±2%	10±2%	4.96	LFODF	
5±0.4	1400±2%	10±2%	6.19	LFODF	
6±0.5	1400±2%	10±2%	7.43	LFODF	
8±0.7	1400±2%	5±2%	9.9	LFODF	
10±1.0	1400±2%	5±2%	12.4	LFODF	

