

EPDM 60 Shore A, flame-retardant

Material description

Material based on EPDM with flame protection. Halogen free, extremely low fume toxicity, and low smoke density in the event of fire. Very good UV and ozone resistance. Standard temperature resistance from approx. -40 °C to approx. +120 °C.

Typical applications

Fire protection in buildings with high occupancy as well as transportation vehicles, preservation of functionality of systems in case of fire, separation of electrical cables from equipment with risk of fire, special sealing

Main markets

Automobile and railway industries, machine and equipment manufacturing, building construction, electrical industry.

Technical data

Property	Unit	Value	Test standard
Elastomer basis		EPDM	ISO 1629
Colour		black	
Hardness	Shore A	60	ISO 868/DIN 53505
Tensile strength at break	N/mm ²	> 5	ISO 37/DIN 53504
Elongation at break	%	> 400	ISO 37/DIN 53504
Tear strength	N/mm	> 3.5	ISO 34-1 Method A/DIN 53507/A
Compression set 24hrs / 70 °C / 25%	%	< 30	DIN ISO 815
Ozone resistance 50pphm / 40°C / 48hrs / 20%	visual	no cracks	ISO 1431/DIN 53509
UV resistance	visual	very good	DIN 53388
Fire class			EN 45545-2 (HL3) DIN 5510 (S-4, SR-2) NFF 16 101(M2/F1) BS 6853 UNI CEI 11170 Class 2



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Product form

This EPDM membrane is available in standard rolls 1000 mm wide

Available thicknesses

On request

All values given are average values and do not represent minimum or maximum values. Users must test suitability for their specific application.