

Data Sheet Rail 45 EPDM 70

Data Sheet Type	Final
Material Reference	Rail 45 EPDM 70
Polymer	EPDM
Date Issued	06/09/25



Description

Rail 45 EPDM 70 is a low smoke, low toxic rubber sheet that meets Flame Resistance standards EN45545-2 Class R22/23, HL3. It is Nitrosamine Free and non-halogen.

This premium grade material is European manufactured is batch tested for complete traceability.

Specifications	Values	Test Methods
Brittle Point	-35 °C	ASTM D2137 A
Colour	Black	None
Compression Set (ISO815)	20 Max %	ISO 815
Density	1.54 g/cm 3	ISO 2781
Elongation at Break	350 %	ISO 37
Highest Recommended Working Temperature	100 °C	None
Lowest Recommended Working Temperature	-30 °C	None
Ozone Resistance	Pass	ISO 1431
Shore Hardness (Shore A)	73 ° Shore	ISO 48
Smoke Density	69 DS Max	ISO 5659-2
Specific Gravity	1.54 kg/cm3	None
Tear Strength	6 N/mm	ISO 34
Tensile Strength	4.5 MPA	ISO 37
Toxicity	0.75 CIT NLP	NF X 70-100-1
Volume Resistivity	3.4 x 10 ¹⁴ Ohms cm	IEC 60093

Purposes



Electrical Insulation



Flame Retardent



Low Working Temperature



Nitrosamine Free



Self Extinguishing

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.