

**Data Sheet** **Rail45 EPDM 80 Shore Rubber Sheet to EN45545-2 R22/23 HL3**

Data Sheet Type	Final
Material Reference	Rail45-80 EPDM
Polymer	EPDM
Date Issued	01/06/26



**Description**

Rail 45 EPDM 80 Seore is a low smoke, low toxic rubber sheet that meets Flame Resistance standard EN45545-2 HL3

This premium grade material is European manufactured and is batch tested for complete traceability, and is certified Halogen and Nitrosamine Free.

Specifications	Values	Test Methods
Colour	Black	None
Compression Set (ISO815)	23 %	ISO 815
Elongation at Break	405 %	DIN 53504
Highest Recommended Working Temperature	100 °C	ISO 1431
Limiting Oxygen Index (LOI)	37.4 %	ISO 4589-2
Lowest Recommended Working Temperature	-40 °C	ISO 1431
Nitrosamine Free	Yes	None
Shore Hardness (Shore A)	78 ° Shore	None
Smoke Density	73 Ds max	ISO 5659-2
Specific Gravity	1.48 g/cm 3	ISO 1183
Tear Strength	5.3 N/mm	ISO 34
Tensile Strength	6.9 N/mm 2	DIN 53504
Toxicity	0.12 CIT NLP	NF X 70-100-1

**Purposes**



Flame Retardent



Nitrosamine Free



Ozone Resistance

**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.