Data Sheet	Rail45 Neoprene (CR) Sponge to EN45545-2
Data Sheet Type	Final
Material Reference	Rail45 Neoprene Sponge
Polymer	CR
Date Issued	22/11/26

Description

Rail 45 Neoprene (CR) Sponge is a low smoke, low toxic Sponge Rubber sheet that meets Flame Resistance standards EN45545-2 Class R22/23, HL1 / HL2, passes Federal Railroad Administration (FRA) standard ASTM C 1166, and passes Boeing Gas Emissions standard BSS7239.

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

Specifications	Values	Test Methods
Compression Deflection	35 - 65 Kpa	ASTM D1056
Compression Set	23 %	ISO 1856
Density	140 Kg/m3	ASTM D1056
Elongation at Break	155 %	DIN 53571
Fire Classification	HL1 / HL2	EN 45545-2
Flame Resistance	HF-1	UL94
Highest Recommended Working Temperature	120 °C	None
Lowest Recommended Working Temperature	-40 °C	None
Ozone Resistance	No Cracking	ASTM D1149 Type A
Tensile Strength	> 520 KN	ASTM D412
Water Absorption	4 %	ASTM D1056

Purposes

Flame Retardent

Self Extinguishing

Weather 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.