

Data Sheet

MacMat-Fire+

Data Sheet Type	Final
Material Reference	MacMat-Fire+
Polymer	
Date Issued	23/11/24



Description

MacMat-Fire+ is an exceptional matting product meeting EN 13501 BfL S1 Fire resistant standard, with low, translucent, and non toxic smoke emissions.

In addition the material is Electrically Insulative, Oil Resistant, Thermal and Acoustic Insulative.

Manufactured with a circular stud pattern for comfortable, non slip and easy cleaning surface.

Specifications	Values	Test Methods
Abrasion Resistance	200 mm3	ISO 4649
Compression Set (ISO815)	30 %	ISO 815
Density	1.5 g/cm 3	None
Dimensional Stability	+/- 0.3 %	EN ISO 23999
Elongation at Break	300 %	ISO 37
Highest Recommended Working Temperature	90 °C	None
Lowest Recommended Working Temperature	-20 °C	None
Oil Swell IRM901	10 %	None
Oil Swell IRM903	76 %	None
Shore Hardness (Shore A)	80 ° Shore	ASTM D2240
Sound Insulation	12 db	ISO 10140-3
Tear Strength	20 N/mm	ISO 34
Tensile Strength	5.6 MPA	ISO 37
Thickness	3 mm	None

Purposes



Electrical Insulation



Flame Retardent



Oil 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.