

Data Sheet

MacMat-Fire+

| | |
|--------------------|--------------|
| Data Sheet Type | Final |
| Material Reference | MacMat-Fire+ |
| Polymer | |
| Date Issued | 05/06/26 |



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.