MacLellan
Polymers to Industry

Data Sheet	0350 BS921 650v Electrical Insulation/Switchboard Matting

Data Sheet Type	Final
Material Reference	0350
Polymer	SBR/NR BLEND
Date Issued	02/06/26

Description

Electrical Insulation Matting conforming to BS921, remains the Matting of Choice for many Live Working Engineers, despite the introduction of BS EN 61111:2009. With a minimum Base Rubber Thickness of 6mm + Ribs the 8-10mm Thick Rubber offers the reassurance that some question with newer and thinner standards.

Specifications	Values	Test Methods
Compression Set(22 Hours @ 70°C)	10 % Max	ASTM D395 Method B
Electrical Proof Test	15000 Volts AC Maximum	BS EN IEC61111
Elongation at Break	250 % Minimum	ASTM D412
Highest Recommended Working Temperature	70 °C Maximum	None
Intermittent Working Temperature	90 °C Short Bursts Only	None
Lowest Recommended Working Temperature	-20 °C Minimum	None
Recommended Maximum Use	650 Volts AC Maximum	BS EN IEC61111
Shore Hardness (Shore A)	60 ° Shore	ASTM D2240
Specific Gravity	1.5 g/cm 3	ASTM D2240
Tensile Strength	5 MPA Minimum	ASTM D412

Purposes

Electrical Insulation

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.