Data Sheet	Q614 European Manufactured BS EN IEC 61111 Class 4 Electrical Insulation Matting

Data Sheet Type	Final
Material Reference	Q614
Polymer	SBR
Date Issued	16/11/26

Description

A European Manufactured BS EN 61111 Fully Compliant Electrical Insulation Matting. Unlike many commercially available materials Q614 has been independently tested and complies with all requirements of the standard including, Electrical Insulation, Slip Resistance, Puncture Resistance, Flame Retardant, Acid Resistance & Oil Resistance.

Specifications	Values	Test Methods
Acid Resistance	PASS CLASS 4 PASS	BS EN IEC61111
Branded in Accordance with Spec	YES CLASS 4 PASS	BS EN IEC61111
Colour Coded Branding	YES CLASS 4 PASS	BS EN IEC61111
Electrical Proof Test	40000 Volts AC CLASS 4 PASS	BS EN IEC61111
Elongation at Break	300 % Minimum	ASTM D412
Flame Resistance	25mm/s CLASS 4 PASS	BS EN IEC61111
Low Temperature Folding	PASS CLASS 4 PASS	BS EN IEC61111
Oil Resistance	PASS CLASS 4 PASS	BS EN IEC61111
Puncture Resistance	> 50 70 N Class 4 Pass	BS EN IEC61111
Recommended Maximum Use	36000 Volts AC CLASS 4 PASS	BS EN IEC61111
Shore Hardness (Shore A)	65 ° Shore +/-65°	ASTM D2240
Specific Gravity	1.65 g/cm 3 +/-0.03	ASTM D2240
Tear Strength - Angle	17 kg/cm Minimum	UNE ISO 34-1
Tensile Strength	2.9 MPA Minimum	ASTM D412
Thickness	14mm Maximum mm CLASS 4 PASS	ASTM D792
Withstand Test	50000 Volts AC CLASS 4 PASS	BS EN IEC61111

Purposes


Abrasive Resistance


Acid Resistance


Electrical Insulation


Flame Retardent


Oil Resistance


Ozone Resitance


Self Extinguishing


Tear Resistant


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.