

## Data Sheet

## Q613 European Manufactured BS EN IEC 61111 Class 3 Electrical Insulation Matting

|                    |          |
|--------------------|----------|
| Data Sheet Type    | Final    |
| Material Reference | Q613     |
| Polymer            | SBR      |
| Date Issued        | 06/09/25 |



## Description

A European Manufactured BS EN 61111 Fully Compliant Electrical Insulation Matting. Unlike many commercially available materials Q613 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 3 PASS           | BS EN IEC61111 |
| Branded in Accordance with Spec | YES CLASS 3 PASS            | BS EN IEC61111 |
| Colour Coded Branding           | YES CLASS 3 PASS            | BS EN IEC61111 |
| Electrical Proof Test           | 30000 Volts AC CLASS 3 PASS | BS EN IEC61111 |
| Elongation at Break             | 300 % Minimum               | ASTM D412      |
| Flame Resistance                | 25mm/s CLASS 3 PASS         | BS EN IEC61111 |
| Low Temperature Folding         | PASS CLASS 3 PASS           | BS EN IEC61111 |
| Oil Resistance                  | PASS CLASS 3 PASS           | BS EN IEC61111 |
| Puncture Resistance             | > 70 Newtons CLASS 3 PASS   | BS EN IEC61111 |
| Recommended Maximum Use         | 26500 Volts AC CLASS 3 PASS | BS EN IEC61111 |
| Shore Hardness (Shore A)        | 65 ° Shore +/-5°            | ASTM D2240     |
| Slip Resistance                 | > 50 Newtons CLASS 3 PASS   | BS EN IEC61111 |
| Specific Gravity                | 1.62 g/cm 3 +/-0.03         | ASTM D2240     |
| Tear Strength - Angle           | 15 kg/cm Minimum            | UNE ISO 34-1   |
| Tensile Strength                | 2.9 MPA Minimum             | ASTM D412      |
| Thickness                       | 11 mm Max mm Class 3 PASS   | ASTM D792      |
| Withstand Test                  | 40000 Volts AC CLASS 3 PASS | BS EN IEC61111 |

## Purposes



Electrical Insulation



Flame Retardent



Oil Resistance



Tear Resistant

### 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.