

# Specification Sheet / 01

## A305 Electrical Matting 17KV IEC 61111 CLASS 2



ISO9001, ISO14001, ISO45001  
Certificate Ref: 11738

Properties	Units
Grade	A305 EM 17KV
Colour	Black
Elastomer	NR/SBR

Electrical specification		
Class	IEC 61111 CLASS 2	
Working Voltage	17000 VOLTS	17 KV
Proof Test Voltage	20000 VOLTS	20 KV
Withstand Test Voltage	30000 VOLTS	30 KV

Resistance		
Mechanical Puncture Resistance	> 70	N
Slip Resistance (ISO59040)	> 50	N
Acid Resistance	NO LESS THAN 75% OF ORIGINAL VALUES	
Oil Resistance	NO LESS THAN 75% OF ORIGINAL VALUES	

Roll Tolerances		
Width	± 2%	ISO 3302 SW1
Length	± 2 %	ISO 3302 SW1

Thickness Tolerances	
0.5mm - 1mm	± 0.2mm
1.5mm - 3mm	± 0.3mm
4mm - 5mm	± 0.4mm
6mm	± 0.5mm
8mm	± 0.7mm
10mm - 15mm	± 1mm
20mm	± 1.4mm
25mm	± 1.75mm

Widths Available
4mm to 6mm thick are available at 914mm, 1M and 1.22Mtrs wide by 10 Meters long

**Bespoke widths and lengths are also available if you are unsure please contact our sales team on 01384252555 who will be happy to assist.**

Change Control Date	Change
20/11/2023	Created



The above figures are average values.  
We recommend that you examine any material you select to ensure its suitability for your application.  
Tolerance(s) applied in accordance with ASG specification No W1007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.  
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

