



Professionally approved products.

Product datasheet

COBASwitch BSEN:61111 Class 0

Electrical Insulating Matting

- Size: SM010050 1m x 10m RS Code:
- Size: SM010051 1m x 1m
- Size: SM010052 1m x 2m
 - Thickness: 3mm
 - Ribbed Surface offers traction under foot
 - Resistant to acid, oil and low temperature
 - Manufactured with colour coded tape to depict the classification on the reverse of the matting
 - Provides safety for operatives against electrical shocks
 - Ideal for use in front of switchboards and high voltage equipment

AS PER IEC 61111:2009 ELECTRICAL PROPERTIES

Clause No.	PROPERTIES	TEST METHOD	SPECIFICATION
	Specific gravity	DIN 53508	1.50 ± 0.05
	Hardness, Shore A	DIN 53505	70 ± 5
	Tensile Strength, Kg/cm ²	DIN 53504	40
	Elongation at Break, %	DIN 53504	200
5.6.2.2	PROOF TEST		
	Class -0 (1.5 mm) Base thickness	5 KV for 3 Minutes	
5.6.2.3	WITHSTAND TEST		
	Class -0 (1.5 mm)	10 KV - No electrical puncture	
5.5.2	MECHANICAL PUNCTURE RESISTANCE, MIN	70 N	
5.7	AGEING TEST AT 70°C/168 HRS	PUNCTURE RESISTANCE SHOULD BE MINIMUM 80% OF ORIGINAL VALUE - PASS	
5.9	ACID RESISTANCE TEST AT SULFURIC ACID SOLN/23°C/8HRS		
	A)WITHSTAND TEST	10 KV - NO ELECTRICAL PUNCTURE (1 MIN.) - PASS	
	B) MECHANICAL PUNCTURE RESISTANCE	PUNCTURE RESISTANCE SHOULD BE MINIMUM 75% OF ORIGINAL VALUE - PASS	
5.1	OIL RESISTANCE AT 70°C/24HRS/OIL # 1		
	A)WITHSTAND TEST	10 KV - NO ELECTRICAL PUNCTURE (1 MIN.) - PASS	
	B) MECHANICAL PUNCTURE RESISTANCE	PUNCTURE RESISTANCE SHOULD BE MINIMUM 75% OF ORIGINAL VALUE - PASS	
5.5.3	SLIP RESISTANCE TEST	AVG. FORCE HIGHER THAN 50 N - PASS	
5.8.2	LOW TEMPERATURE FOLDING TEST AT -25°C for 4 hrs	NO CRACK, NO ELECTRICAL PUNCTURE- PASS	
	COLOUR	BLACK	
	SURFACE FINISH	FINE RIB	



