



Product datasheet

ENGLISH

COBASwitch BSEN: 61111 Class 4



Electrical Insulating Matting

Size:	SM010070	1m x 10m	RS Code:	790-2994
Size:	SM010071	1m x 1m		790-3007
Size:	SM010072	1m x 2m		790-3000

- Thickness: 5mm
- 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 -4 (5 mm) Base thickness	40 KV for 3 Minutes	
5.6.2.3	WITHSTAND TEST		
	Class -4 (5 mm)	50 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	