



BharatElectrosafe Private Limited

F-71, Site C, UPSIDA, Surajpur, Greater Noida (UP)
 (Manufacturer of “BharatElectrosafe” Brand Electrical Insulating Mats)

Technical Data Sheet for 3mm Class-C IS: 15652/2006

Sl.	Particulars	Standard Values		
1.	Material	Synthetic Elastomer		
2.	Thickness	3.0 mm ± 10%		
3.	Tensile Strength	Min. 15 N/mm ²		
4.	Elongation	Minimum 250%		
5.	Working Voltage	Up to 33 kV		
6.	AC Proofing Voltage	Should withstand 36kV for 3 minutes		
7.	AC-Dielectric Strength	Minimum 65 kV		
8.	Leakage Current	Maximum 10 mA		
9.	Insulation Resistance with water at 5000 V	Minimum 1,00,000 M. Ohm		
10.	Flame Retardant	Extinguish within 5.0 second after removal of blue flame as per IS: 15652		
11.	Low Temp. Test	No visible Break or Crack when folded after placing 1 hr. at -10 ± 3°C		
12.	Effect to Acid, Alkali, Diesel & Transformer Oil			
	Category I	Category II	Category III	Category III
	Acid, Diesel & T. Oil	Alkali, Diesel & T. Oil	Acid, Alkali, Diesel & T. Oil	Acid, Alkali, Diesel & Transformer Oil (% change from original value)
	Tensile Strength (N/mm ²), Elongation (%)		Tensile Strength (-20%), Elongation (-20%)	
13.	Ageing Properties at 70 ± 1°C Tensile Strength (N/mm ²), Elongation (%)	% Change from original value Tensile Strength (-25%), Elongation (-25%)		

Physical Specifications

Length	Standard Width	Marking		Color	Design
		Upper Side	Lower Side		
2Mtr. /10Mtr.	1 Mtr.	Brand, CM/L & IS no. *Embossing on every meter	Mfr. Name, Class, IS, Category and Batch no.	BLUE OR BLACK	Coin Design

“Empowering Safety, Sparkling Confidence: Insulate with us!”