

## BharatElectrosafe Private Limited

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

### Technical Data Sheet for 2.5mm Class- B IS: 15652/2006

Sl.	Particulars			Standard Values
1.	Material			Synthetic Elastomer
2.	Thickness			2.5 mm $\pm$ 10%
3.	Tensile Strength			Min. 15 N/mm <sup>2</sup>
4.	Elongation			Minimum 250%
5.	Working Voltage			<b>Up to 11 kV</b>
6.	AC Proofing Voltage			Should withstand 22kV for 3 minutes
7.	AC-Dielectric Strength			Minimum 45 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 $\pm$ 3°C
12.	Effect to Acid, Alkali, Diesel & Transformer Oil			<b>Category III</b>
	<b>Category I</b>	<b>Category II</b>	<b>Category III</b>	
	Acid, Diesel & T. Oil	Alkali, Diesel & T. Oil	Acid, Alkali, Diesel & T. Oil	
	Tensile Strength (N/mm <sup>2</sup> ), Elongation (%)			Acid, Alkali, Diesel & Transformer Oil (% change from original value)
	Tensile Strength (N/mm <sup>2</sup> ), Elongation (%)			Tensile Strength (-20%), Elongation (-20%)
13.	Ageing Properties at 70 $\pm$ 1°C Tensile Strength (N/mm <sup>2</sup> ), 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!”**