

# INSULATING RUBBER MAT FOR ELECTRICAL PURPOSE

**IS 15652 2006**

## SPECIFICATION

**supersedes**

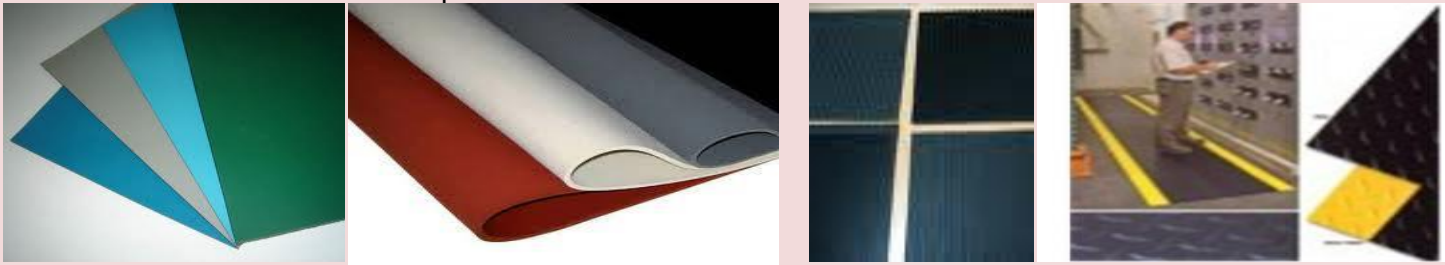
IS 5424 1969

and

BS 921 1952 &

ASTM D 178 1924

Insulating rubber mats are designed for the use as floor covering for the protection of workers on AC (alternate current) DC (direct current) installations with the system voltages upto 66kV AC and 240V DC, in accordance with Bureau of Indian Standard IS 15652 : 2006, which supersedes previous IS 5424 of 1969. The upper surface will have small aberration for anti slip and the lower surface will be plain to set on the floor. Unless otherwise specified, the colour of the rubber mat will be black or blue.



CLASS	FOR USAGE	PROOF VOLT	DI ELECTRIC STRENGTH	DC VOLT	THICKNESS	STD SIZE (MM)
A	3.3 KV (AC)	10 KV (AC)	30 KV (AC)	240 VOLT DC	2.00 MM	1000 x 2000
B	11 KV (AC)	22 KV (AC)	45 KV (AC)	240 VOLT DC	2.50 MM	1000 x 2000
C	33 KV (AC)	36 KV (AC)	65 KV (AC)	240 VOLT DC	3.00 MM	1000 x 2000
D	66 KV (AC)	70 KV (AC)	110 KV (AC)	240 VOLT DC	3.50 MM	1000 x 2000

TOLERANCES : THICKNESS + / - 10% AND LENGTH & WIDTH + / 20MM

PHYSICAL PROPERTIES		AFTER AGEING 7days @ 70deg C	ELECTRICAL PROPERTIES	
Tensile Strength	> 15N/mm <sup>2</sup>	> 75%	Insulation resistance with tap water	Mega Ohms
Elongation	> 250 %	> 75%	Measured with 5000V Megger	1,00 000
			Measured with 500 V Megger	10, 00 000

### GUARANTEE / WARRANTEE

Electrical resistance insulation mats are made from vulcanized rubber compound free from fabric insertions and fibrous materials and it is guaranteed for the period of 18months from the date of despatch or 12months from the date of usage whichever is earlier. In case of failure, our scope of warrantee limit only to the repairs or replacement.