

B.I.S + CPRI Approved

VIDYUT SAFE®

IS: 15652-2006



CM/L-2615047

INSULATING MATS FOR ELECTRICAL PURPOSE



**Confirming to IS : 15652-2006
(Superceding IS : 5424-1969)**

APPLICATIONS : The "VIDYUT SAFE " ISI Marked Insulating Mats for Electrical Purpose has a wide application in various Substation, Power Plants etc. The Mats are used for floor covering below control panels to provide the safety of workman due to possible leakage of current.

COMPOSITION : The Mats are made up of blend of Synthetic Polymers

TECHNICAL SPECIFICATIONS



SIZE	1 Mtr. * 2 Mtr / 1 Mtr. * 10 Mtr
COLOUR	Black / Red / Blue (Other colour as agreed between supplier and purchaser)
FINISH	One Side Plain / Other Side Patterened
TENSILE STRENGTH	For Temp -10 to 55°C -15 N/mm ² (Min.)
ELONGATION AT BREAK	For Temp -10 to 55°C -250% (Min.)
INSULATION RESISTANCE WITH WATER	10,00,000 MΩ (Min.)
LEAKAGE CURRENT	10 μA (Max.)
FLAME RETARDENCE	The Mat is retarded to fire.
LOW TEMPERATURE RESISTANCE	No tear, break or crack is observed in Mats underforce of 100 N for 30hrs, At -40 ₊₃ °C
AGING TEST	(For temp. -10 to 55°C)
1. TENSILE STRENGTH 2. ELONGATION AT BREAK	Not less then 75% without Aging. Not less then 75% without Aging.
EFFECT OF NAOH, TRANSFORMER OIL, HCL	(For temp. -10 to 55°C)
1. TENSILE STRENGTH 2. ELONGATION AT BREAK	Not less then 80% without Aging. Not less then 80% without Aging.

S.No.	Class of Mats	Thickness	Dielectric Strength	AC RMS Voltage
1.	A	2.00 mm	30 KV	3.3 KV
2.	B	2.50 mm	45 KV	11 KV
3.	C	3.00 mm	65 KV	33 KV



Authorised Distributors

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