

GENERAL

LILCER 490-15 is composed of Ceramic paper impregnated with Silicone resin having a thermal index 200 and above.

APPLICATION

LILCER 490-15 used as inter-turn insulation in the manufacture of Main pole and Compole Coils for traction machines.

PRODUCT CHARACTERISTICS:

Characteristics	Unit	Typical Values	Test Method
Thickness	mm	0.15 ± 0.03	IEC - 60371-2
Width	mm	400 or 440 ± 1 or as per customer requirements	IEC - 60371-2
Length	Mtrs	30 + 1 or as per customer requirements	IEC - 60371-2
Total Weight	g/m ²	190 ± 25	IEC - 60371-2
Resin Content	%	30 ± 5	IEC - 60371-2
Electrical strength (BDV) Single layer before curing	KV/Layer	Avg. 1.0 Min. 0.8	IEC - 60371-2
Electrical strength (BDV) Double layer after curing	KV	Min. 3.0	IEC - 60371-2
Tensile Strength Before Curing	Kg/2.5 cm	Min 3.5	IEC - 60371-2
Tensile Strength After Curing at 180°C for 1 hour	Kg/2.5 cm	Min 5.0	IEC - 60371-2
Adhesive Strength With Copper Plate	Kg/cm ²	Min 15	IEC - 60371-2

SUPPLY:

LILCER 490-15 supplied in folium form having standard width of 400 / 440 mm. Standard length of the roll is 30 mtrs wound on cardboard tube.

STORAGE & HANDLING INSTRUCTIONS:

LILCER 490-15 must be kept under controlled temperature condition. Keep away from dust and moisture.

SHELF LIFE

At standard temperature of 23 ± 5°C - 12 months

At refrigerated storage of 05°C - 24 months.

JOINTS:

The tapes are supplied without joints. However 10% of the rolls may be supplied with one joint.

WORK HYGIENE:

While using LILCER 490-15 we recommend to follow the necessary Health & Safety Standards.

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LIABILITY: All the above information is based on our own research and experience. We cannot however offer any Guarantee for the information as the manufacturer himself is responsible for any article made with our product. Neither do we accept Liability for any damage which could be caused by the information given hereby

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