

PHENOLIC LAMINATED PAPER TUBE

FEATURE AND APPLICATION: 3520 Phenolic laminated paper tube is formed by hot rolling, baking electrical insulating rolling paper or insulating craft impregnated with phenolic resin under heat and pressure. This product with high mechanical heat-resistant and dielectric properties, used as insulating structural parts in electrical equipments , also used under humidity environment and in transformer oil.



SPECIFICATION:

项 目 Item	单位 Unit	指 标 Value	
		内径 I. D 5~25mm	内径 I. D ≥25mm
密度 Density ≥	g/cm ³	1.03	1.1
弯曲强度 Flexural strength ≥	MPa	49	58.8
抗压强度 Compressive strength ≥	MPa	49	58.8
热稳定性 Thermal stability	℃	120	120
吸水率 Water Absorption	%	—	3~10
介质损耗角正切 Loss tangent (50Hz) ≤	—	0.03	0.03
垂直层向耐电压, 于 90±2℃变压器油中耐压 5min ≥ Voltage resisting strength in transformer oil for 5 min at 90±2℃: 壁厚 Wall thickness 1.5~2.5mm 壁厚 Wall thickness >2.5~3.5mm 壁厚 Wall thickness >3.5~4.5mm 壁厚 Wall thickness 4.5~6.0mm 壁厚 Wall thickness >6.0mm	kV/mm	8.5 8.0 7.0 6.5 6.0	8.5 8.0 7.0 6.5 6.0
平行层向耐电压, 于 90±2℃变压器油中耐压 5 分钟 Voltage resisting strength parallel to lamination at 90±2℃ in transformer oil for 5 minute	kV	20	25
表面耐电压, 受潮后 Surface Voltage resisting strength after humid environment in air for 1 minute	kV	12	12

ID:10-500mm

Length:1000-1500mm