

Laminated Board

LAMINATED BOARD are produced by laminating and hot pressing of multi-layers of high-quality transformer boards(H4) together with improved phenolic resin, casein glue and Polyester adhesive. Comparing with Laminated wood, laminated boards have the advantages of higher density, better mechanical strength, higher electrical strength and lower compressibility and better insulation property strength, they are suitable to apply in generators and electrical equipment as insulation parts which requirement for high mechanical strength , they can also be used in transformer oil .The maximum dimension we can produce is 3200x3200X150mm(Thickness).



Dimension range and Tolerance

厚度 mm		长度 mm	公差	宽度 mm	公差
基本尺寸	误差	尺寸标准		尺寸标准	
T ≤ 10	± 0.5	2000 3000	± 8	1000 2000	± 8
10 < T ≤ 20	± 1.0				
20 < T ≤ 30	± 1.5				
30 < T ≤ 50	+1.75 -1.50				
T > 50	± 2.0				

Main Property Standard Value(mm):

指标名称 Property		单位 Unit	指标值 Standard Value
密度 Apparent density		g/cm ³	1.20-1.35
水分 Moisture Content		%	≤4.0
收缩率 Shrinkage	纵向 MD	%	≤0.4
	横向 CMD		≤0.6
	厚向 thickness		≤4.0
压缩率 compressibility		%	≤3.0
弯曲强度 Flexural strength	层垂直纵向	Mpa	≥100
	层垂直横向		≥85
水抽出物电导率 Conductivity of aqueous extract		mS/m	≤10.0
油中电气强度 Electrical strength in Oil		kV/mm	≥8.0
吸油率 Oil Absorption		%	≥5.0
灰分 Ash Content		%	≤0.6
X光检测金属颗粒、杂质和气隙 Detection of Metal particles, foreign particles and air clearance through X-Ray scanner		-	不允许有金属颗粒、杂质和气隙