

Corrugated Board

The corrugated board is used for common oil-gap insulation in small transformers. The advantage of it is easy assembly and improved the allocation of solid insulating materials in the oil duct. Comparing with the strips in the radial stays in the oil passages in the corrugated board, solid insulation distribution is very uniform, there is no electric field perpendicular to the plane. therefore, the strength of the oil passages can be increased by about 15% without loss of reliability. To use thermoforming process to produce corrugated board has the following advantages: high mechanical strength, excellent electrical properties, dimensional stability, precise dimension.

瓦楞纸板的尺寸和公差 Corrugated board size and tolerance

尺寸 Size	公差 Tolerance		
厚度 Thickness	1.0mm		±7.5%
	1.5mm		
	2.0mm		
宽度 Width	≤1450mm		±2
楞高 Corrugation Height	3.5-7mm		±0.5
长度 Length	3000mm		±50
楞距 Corrugation Spacing	20mm	±2	

瓦楞纸板的主要性能指标 Corrugated board technical index

性能 Items	单位 Unit	指标 Index	
		平均值 Average value	最低值 Minimum
水份 Moisture	%	<7.0	/
灰份 Ask content	%	<0.8	/
水抽出物电导率 Conductivity of Aqueous Extract	us/cm	<10.0	/
屈服强度 Yield strength	kg/cm ²	>11.0	>9.0