



ELECTRICAL INSULATION MATERIALS

Electrical Laminated Wood



PRODUCT PARAMETERS

Executive Standard: GB/T 20634.3-2008 /IEC61061-2:1998

Number	Item		Unit	Value			
				DLW101	DLW201	DLW202	DLW301
1	Appearance		-	Smooth Surface, Neat Cutting Edge, No Delamination Of Section			
2	Density		G/Cm ³	1.2-1.3	1.1-1.2	1.1-1.2	1.0-1.1
3	Flexural Strength At Perpendicular Lamination	A-Direction	MPa	≥80	≥65	≥65	≥55
		B-Direction		≥80	≥65	≥65	≥55
4	Impact Strength	A-Direction	KJ/M2	≥15	≥13	≥13	≥10
		B-Direction		≥15	≥13	≥13	≥10
5	Interlaminar Shear Strength		MPa	≥9	≥8	≥8	≥7
6	Electrical Strength At Perpendicular Lamination (Transformer Oil At 90°C)		Kv/Mm	≥9	≥8	≥7	≥7
7	Breakdown Voltage At Parallel Lamination (Transformer Oil At 90°C)		Kv	≥50	≥50	≥50	≥50
8	Pollution Of Liquid Dielectric		-	≤0.1			
9	Shrinkage After Drying	A-Direction	%	≤0.3	≤0.3	≤0.3	≤0.3
		B-Direction		≤0.3	≤0.3	≤0.3	≤0.3
		Thickness-		≤3	≤3	≤3	≤3
		Direction		≤3	≤3	≤3	≤3
10	Water Content		%	≤6	≤6	≤6	≤6
11	Oil Absorption Rate		%	≥5	≥8	≥8	≥10
Suggestions On The Application Of Laminated Wood Insulation In Transformer			Voltage Rating	≥110KV	≤110KV	66-35KV	≤35KV



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