

GRADE :LP- DLW					
SIZE : Standard sizes are 2440mm x 1220mm					
DESCRIPTION :This specification governs the quality of Resin impregnated wood based laminate consisting of lay					
Resin acts as bonding media and imparts insulating property & bond strength to the plywood where as the type of wood v					
The material pressed at high pressure will be having higher density & better mechanical properties but lower electrical val					
The grain orientation of the constituent veneers will be more or less equal in each axis, at right angle to each other. This p					
APPLICATION :					
This is a insulating laminated wood which finds extensive engineering application in manufacture of certain compone					
Use as guide block clamps, stator- winding support rings, nuts etc. for generator, Tranformer and switch Gears.					
S. NO.	Properties	Unit	Test Condition	Required Value	Observed value
1	Density	Gm / cc	A'	1.10-1.20	1.18
2	Content & volatili	W /w (% Max)	at 145 o C +/-2 o	7	4.3
3	Oil Absorption	W/w (%Min)	oven for 72 hrs. +90	6	7.3
4	Tensile Strength	Mpa (Min)	A'	95	107
5	Compressive Streng	Mpa (Min)	A'	120	135
6	Breaking (Along C	Mpa (Min)	A'	112	122
7	Breaking (Across C	Mpa (Min)	A'	85	95
8	Test after proper c	KV (Min)	oven for 72 hrs. + 90	48KV for 60 sec	Withstood
9	Test after proper	KV (Min)	oven for 72 hrs. +90	60 KV for 60 sec	With Stood
10	Metal Detect test	-	-	No metallic particle detected	
11	Effect of oil on wood	mg KOH/g	-	0.1 (mex)	Nil
	Increase in acidity	%	-	0.1 (mex)	Nil
	Increase in Sludge Content				