

Water Resistant Ecolink Chipboard:



Tests		Results	
Density		1111	kg/m ³
Moisture Content		0.6	%
Water Absorption			
	a) 2 Hrs Soaking	0.12	%
	b) 24 Hrs Soaking	0.24	%
Swelling Due To General Absorption (After 2 Hrs Soaking)			
	a) Thickness	0.08	%
	b) Width	Nil	
	c) Length	Nil	
Swelling Due to Surface Absorption (After 2 Hrs Soaking)		0.04	%
Modulus Of Rupture		18.8	N/mm ²
Modulus Of Elasticity		1630	N/mm ²
Screw Withdrawal Strength			
	a) Face	1655	N
	b) Edge	3211	N
Compressive Strength			
	a) Parallel To Surface	20.4	N/mm ²
	b) Perpendicular To Surface	51	N/mm ²
Thermal Conductivity		0.005	W/cm OC
Boiling Water Resistance Test (Three Hrs Boiling)		No Disintegration	
Fire Resistance			
	a) Flammability Test	10	Minutes
	b) Flame Penetration	8	Minutes
	c) Rate of Burning	3	Minutes
All Test Results Are As Per Samples Provided To IPIRTI			



Water Proof ESS Board

1	DENSITY TEST			
	Average Size (mm) L x B x T 150.00 x 74.83 x 17.30	Weight / kg. Kg / cm ³ 200.5	Density 1.033	
2	MOISTURE CONTENT			
	Average Size (mm) L x B x T 150.00x 75 x 18	Ambient Oven Dry Wt.(g) 220	% Moisture Wt.(G) Content 219.9 0.05	
Remark: Negligible & Hence Zero				
3	WATER ABSORPTION			
	Average Size (mm) L x B x T 300 x 300 x 18	Ambient Wt.(g) 2 Hrs. Soaking 1776 1776	Weight After 24 Hrs. Soaking 1776	
Remark : Negligible & Hence Almost Zero				
4	SWELLING DUE TO SURFACE (WATER) ABSORPTION			
	Average Size (mm) L x B x T 300 x 100 x 19	Initial Thickness Before Absorption At The Test Point No. (in mm) 1 2 3 4 18.83 19.05 18.40 18.80	Final Thickness After Absorption For 2Hrs. At The Test Point No. (in mm) 1 2 3 4 18.83 19.05 18.40 18.80	
Remark : No Swelling At The Four Test Points.				
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