



TECHNICAL SPECIFICATION OF PVC BOARD

Sr. No.	Property	Test	Result
1	Charpy Impact Strength	ASTM D 6110-06-10	30.5 J/m C(complete break)
2	Deflection Temperature under load	ASTM D 648-07	51.8°C
3	Density	ASTM D 792-13	0.5-0.7 g/cc
4	Flexural Strength	ASTM D 790-10 Procedure A	21.1MPa
5	Flexural Modulus	ASTM D 790-10 Procedure A	1354 MPa
6	Flammability		
7	Time of Burning	Self Extinguishing	<5 Sec
8	Extent of Burning	--do--	<5 mm
9	Shore D Hardness	ASTM D 2240-05(2010)	50 to 70
10	Falling Weight Impact Strength	ASTM D 5420-10	Mean failure height 163 mm
11			Mean failure energy 2.85 J
12	Tensile Modulus	With reference to ASTM D638-14	885 MPa
13	Tensile Strength	With reference to ASTM D638-14	12.75MPa
14	Elongation at Break		16.0%
15	Water Absorption After 24hrs	ASTM D 570-98(2010)	0.45%
16	Screw Holding Capacity	with 1/6 wood screw	670N
17	Screw Bonding Capacity	--do--plate to plate	232N
18	Direct Screw Withdrawal	ASTM D1037 12 Section 16	1945 N
19	Thermal Stability	80C/60 min.	No effect
20	Thermal Conductivity	ASTM C 177-13	0.098 W/(m.K)
21	Thermal Resistance		0.184 (m2K)/w
22	Dripping Test	NF P92 505	Passed

100% Lead free & 100% Cadmium free PVC Board and WPC Board