

TECHNICAL SPECIFICATION OF WPC BOARD

Sr. No.	Property	Test	Result
1	Charpy Impact Strength	ASTM D 6110-06-10	28.5 J/m C(complete break)
2	Deflection Temperature under food	ASTM D 648-07	51.8°C
3	Density	ASTM D 792-13	0.7 g/cc
4	Flexural Strength	ASTM D 790-10 Procedure A	19.9MPa
5	Flexural Modulus	ASTM D 790-10 Procedure A	1289 MPa
6	Flammability		
	Time of Burning	Self Extinguishing	<5 Sec
	Extent of Burning	--do--	<5 mm
7	Shore D Hardness	ASTM D 2240-05(2010)	75
8	Falling Weight Impact Strength	ASTM D 5420-10	Mean failure height 152.5mm
9			Mean failure energy 2.7 J
10	Tensile Modulus	With reference to ASTM D638-14	839 MPa
11	Tensile Strength	With reference to ASTM D638-14	12.06MPa
12	Elongation at Break		16.0%
13	Water Absorption After 24hrs	ASTM D 570-98(2010)	0.66%
14	Screw Holding Capacity	with 1/6 wood screw	625N
15	Screw Bonding Capacity	--do--plate to plate	221N
16	Direct Screw Withdrawal	ASTM D1037 12 Section 16	1833 N
17	Thermal Stability	80C/60 min.	No effect
18	Thermal Conductivity	ASTM C 177-13	0.098 W/(m.K)
19	Thermal Resistance		0.184 (m2K)/w
20	Dripping Test	NF P92 505	Passed



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