



काष्ठ कम्पोजिट जाँच एवं मूल्यांकन केन्द्र  
Center for Testing And Evaluation of Wood Composites  
भारतीय प्लाईवुड उद्योग अनुसंधान और प्रशिक्षण संस्थान  
INDIAN PLYWOOD INDUSTRIES RESEARCH AND TRAINING INSTITUTE

(भारत सरकार, पर्यावरण एवं वन मंत्रालय का स्वायत्त निकाय)  
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REPORT NO: JD/EIL/4880/Phy-6811/2015/Pune

DATE: 26.08.2015

Sl. No.	Tests	Cl. No.	Test Method	Requirement as per IS : 3087-2005	Results
1	2	3	4	6	5
7	Swelling due to general absorption (After 2 hrs. soaking), % a) Thickness b) Width c) Length	11.6	IS : 2380 (Part 17) : 1987	Max. 8 Max. 0.5 Max. 0.5	2.4 0.04 0.04
8	Swelling due to surface absorption (After 2 hrs. soaking), %	11.7	IS : 2380 (Part 17):1987	Max. 6	0.82
9	Modulus of Rupture, N/mm <sup>2</sup> a) Average b) Minimum individual	11.8	IS : 2380 (Part 4):1987	Min. 15 Min. 13	17.2 15.6
10	Modulus of Elasticity, N/mm <sup>2</sup> a) Average b) Minimum individual	11.8	IS : 2380 (Part 4) : 1987	Min. 2500 Min. 2250	2616 2290
11	Tensile strength perpendicular to the surface (Internal Bond Strength), N/mm <sup>2</sup> a) Dry Test b) After acc water res test	11.9	IS : 2380 (Part 5) : 1987	Min. 0.45 Min. 0.15	0.54 0.27
12	Screw withdrawal strength, N a) Face b) Edge (Thickness >12 mm)	11.10	IS : 2380 (Part 14) : 1987	Min. 1250 Min. 850	2433 1178
13	Formaldehyde content (Fc), mg/100 gm	-	-	Fc ≤ 8	4.79

Sample conforms to FPT-1, Formaldehyde Class E-1 of IS: 3087-1985.

PART - D: REMARKS:

1. Test results are relevant only to the material received for testing.
2. Remnant of tested material if any will be retained for a period of 6 months only, from the date of issue of test report.

Director

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