



# AMUL BOARDS PVT. LTD.

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CIN : U20210GJ1998PTC034594



## IT SAMPLE FACTORY LAB TEST REPORT

### Detail of sample

Marine Plywood IS : 710 : 2010

Date Of Mfd : 08.12.2020

Date of Testing: 11.12.2020

Bach No: 08122020

Size -2440 x 1220 x 19mm

Grade -BWP

Sr.No	Tests	Prescribed Value As per IS : 710-2010	Results
1	Dimensions (mm)	Tolerances	
i	Length	+6mm-0mm	2441mm
ii	Width	+3mm-0mm	1222mm
iii	Thickness	±5%	19.36mm
2	Squareness (%)	<0.20%	0.16%
3	Edge straightness (%)	<0.20%	0.12%
4	Moisture Content (%)	5-10%	8.27%
5	Adhesion of Plies	Min. Pass Standard	Excellent
6	Water Resistance Test	72 Hour Boiling	Satisfactory
7	Dry Bending Strength		
I	Along the grain direction		
	Modulus of Elasticity	Avg-7500 N/mm <sup>2</sup>	8210 N/mm <sup>2</sup>
	Modulus of Rupture	Avg.-50 N/mm <sup>2</sup>	64.7 N/mm <sup>2</sup>
II	Across the grain direction		
	Modulus of Elasticity	Avg-4000 N/mm <sup>2</sup>	5120 N/mm <sup>2</sup>
	Modulus of Rupture	Avg.-30 N/mm <sup>2</sup>	44 N/mm <sup>2</sup>
8	Wet Bending Strength		
I	Along the grain direction		
	Modulus of Elasticity	Avg-3750 N/mm <sup>2</sup>	4160 N/mm <sup>2</sup>
	Modulus of Rupture	Avg.-25 N/mm <sup>2</sup>	31.50 N/mm <sup>2</sup>
II	Across the grain direction		
	Modulus of Elasticity	Avg-2000 N/mm <sup>2</sup>	2615 N/mm <sup>2</sup>
	Modulus of Rupture	Avg.-15 N/mm <sup>2</sup>	24.10 N/mm <sup>2</sup>
9	Tensile Strength		
I.	Along the grain	Not Less than 420 kg f/cm <sup>2</sup>	520 kg f/cm <sup>2</sup>
II.	Across the grain	Not Less than 250 Kg f/cm <sup>2</sup>	380 kg f/cm <sup>2</sup>
III.	Sum of tensile strength	Not Less than 840.50 kg f/cm <sup>2</sup>	910 kg f/cm <sup>2</sup>

The sample passes all tests and confirms to IS: 710-2010

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