

TEST REPORT FOR PERMAWOOD

Grade Thickness: - 10.00 mm

S.NO	PROPERTIES	TEST CONDITION	UNITS	SPECS	RESULTS
01	Visual Appearance (100%)	-	-	-	Free from checks, blisters and overlaos etc.
02	Dimensional Measurements	-	mm	-	1220 x 2440
03	Density	"A"	G/cm ³	1.10 - 1.20	1.138
04	Moisture Content	At 145°C +/- 2 till the wt. constant	%	7 max	4.47
05	Shrinkage after drying	As per EC 61061-2, Clause 9.4	%	0.30 max 0.30 max 3.00 max	0.10 0.10 1.15
	Direction -A				
	Direction -B				
06	Oil Absorption	At 105°C +/- 2 in oven for 72 hrs and 90°C +/- 2 in oil for 72 hrs	%	6 min	8.60
07	Cross Breaking strength Along the grain	"A"	Mpa	112 min	124
	Across the grain	"A"	Mpa	85 min	102
08	Tensile strength	"A"	Mpa	95 min	103
09	Compression strength FLAT WISE	"A"	Mpa	185 min	196
10	B D V Edgewise	At 105°C +/-2 in oven for 72 hrs and 90°C +/- 2 in oil for 72 hrs	KV	60 min	> 60
11	B D V Flat wise	At 105°C +/-2 in oven for 72 hrs and 90°C +/- 2 in oil for 72 hrs	KV/mm	4 mm	6.0
12	Metal detector test	-	-	-	No metallic particle detected.

Remarks :

- a) At 145°C +/-2 till the wt. constant => At 145°C elevated temp. in air circulating oven till constant weight obtained
- b) At 105°C +/-2 in oven for 72 hrs => at 105°C in air circulating oven for 72 hrs
- c) 90°C +/- 2 in oil for 72 hrs => at 90°C elevated temp. in oil for 72 hrs