



Partnering Global Trade
HPS EXIM PRIVATE LIMITED

TEST REPORT FOR PERMAWOOD

Grade Thickness: - 40.00 mm

S.NO	PROPERTIES	TEST CONDITION	UNITS	SPECS	RESULTS
01	Visual Appearance (100%)	-	-	-	Free from checks, blisters and overlaps etc.
02	Dimensional Measurements	-	mm	-	1220 x 2440
03	Density	"A"	G/cm ³	1.10 - 1.20	1.150
04	Moisture Content	At 145°C +/- 2 till the wt. constant	%	7 max	4.87
05	Shrinkage after drying	As per IEC 61061-2, Clause 9.4			
	Direction - A		%	0.30 max	0.10
	Direction - B		%	0.30 max	0.10
	Thickness		%	3.00 max	1.15
06	Oil Absorption	At 105°C +/- 2 in oven for 72 hrs and 90°C +/- 2 in oil for 72 hrs	%	6 min	8.50
07	Cross Breaking strength Along the grain	"A"	Mpa	112min	126
	Across the grain	"A"	Mpa	85 min	104
08	Tensile strength	"A"	Mpa	95 min	101
09	Compression strength FLATWISE	"A"	Mpa	185 min	195
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 min	7.0
12	Metal detector test	-	-	-	No metallic particles detected.

Remarks :

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