

TEST REPORT OF PLYWOOD

NATURE OF THE SAMPLE : CHEQUERED PLY
SIZE OF THE SAMPLE : 2440X1220X18MM
GRADE : WBP
BRAND : PLYMARC CHEQUERED

SI: NO	CLAUSE NO:	TESTS	VALUE AS PER SPECIFICATION	RESULTS/OBSERVATION
1	8.1&8.3	WORKMANSHIP AND FINISH		SATISFACTORY
2	7	NOMINAL THICKNESS	18MM ± 5%	17.74 TO 18.27
3	7	LENGTH	2440 +6/-0 MM	2441
4	7	WIDTH	1220 +3/ 0MM	1222
5	7	SQUARENESS	0.2% Max	0.08%
6	7	EDGE STRAIGHTNESS	0.2% MAX	0.05%
7	10.1.1	MOISTURE CONTENT	5 to 15%	9%
8	10.1.2	<u>GLUE ADHESION IN DRY STATE</u>		
		AVERAGE	1350 N Min	1575
		MINIMUM INDIVIDUAL	1100 N Min	1293
		ADHESION OF PLYS	Min Pass Standard	PASS STANDARD
9	10.1.3	<u>WATER RESISTANCE TEST</u>		
		AVERAGE	1000 N Min	1370
		MINIMUM INDIVIDUAL	800 N Min	1916
		ADHESION OF PLYS	Min Pass Standard	PASS STANDARD
10	10.1.5	<u>MYCOLOGICAL TEST</u>		
		SEPARATION AT THE EDGES	SHOW NO SIGN OF SEPERATION	NO SEPERATION OBSERVED
		AVERAGE	1000 N Min	1280
		MINIMUM INDIVIDUAL	800 N Min	1125
		ADHESION OF PLYS	Min Pass Standard	PASS STANDARD

		<u>TENSILE STRENGTH</u>		
11	10.1.6			
		PARALLEL TO GRAIN DIRECTION OF FACE VENEER	32.5 N/mm ² Min.	47.40
		PERPENDICULAR TO GRAIN DIRECTION OF FACE VENEER	22.5 N/mm ² Min.	46.85
		SUM OF TENSILE STRENGTH	84.5 N/mm ² Min.	94.3
12	10.1.7	<u>STATIC BENDING TEST</u>		
		MOE (IN DIRECTION PARALLEL TO GRAIN DIRECTION)		
		AVERAGE	7500 N/mm ²	7940
		MINIMUM INDIVIDUAL	6700 N/mm ²	7675
		MOR (IN DIRECTION PARALLEL TO GRAIN DIRECTION)		
		AVERAGE	50 N/mm ²	59
		MINIMUM INDIVIDUAL	45 N/mm ²	55
	10.1.7	<u>STATIC BENDING TEST</u>		
		MOE (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)		
		AVERAGE	4000 N/mm ²	8150
		MINIMUM INDIVIDUAL	3600 N/mm ²	6746
		MOR (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)		
		AVERAGE	30 N/mm ²	63
		MINIMUM INDIVIDUAL	27 N/mm ²	56
13	10.1.8	<u>WET BENDING TEST</u>		
		MOE (IN DIRECTION PARALLEL TO GRAIN DIRECTION)		
		AVERAGE	3750 N/mm ²	6790
		MINIMUM INDIVIDUAL	3400 N/mm ²	5672
		MOR (IN DIRECTION PARALLEL TO GRAIN DIRECTION)		
		AVERAGE	25 N/mm ²	36
		MINIMUM INDIVIDUAL	22 N/mm ²	35

	10.1.8	<u>WET BENDING TEST</u>		
		MOE (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)		
		AVERAGE	2000 N/mm ²	10010
		MINIMUM INDIVIDUAL	1800 N/mm ²	8958
		MOR (IN DIRECTION PERPENDICULAR TO GRAIN DIRECTION)		
		AVERAGE	15 N/mm ²	46
		MINIMUM INDIVIDUAL	13 N/mm ²	45
14	10.1.9	PRESERVATIVE CHEMICALS		
		TOTAL RETENTION OBTAINED	12 Kg/m ³ Min.	14.39