



NORTH AMERICAN PLYWOOD Corporation

LITE - PLY®

Thicknesses	The thicknesses shown below are those most commonly produced						On request, some firms produce other thicknesses
Nominal thicknesses (mm)	3-4-5-6	8-10-12-15	18-20-22	25-28-30	35-40	45	45-50
Minimum number of layers	3	5	7	9	11	13	15
Dimensions	The dimensions shown below are the standard dimensions most commonly produced						The dimensions shown below are produced by single firms and on request special dimensions can be produced
Length (cm)	202	204	212	222	242	252	
Width (cm)	122	124	162	172	182		
Average values indicative of the physical-mechanical properties for some compositions							
Property	Standard	Unit	thickness (mm)/no. of layers				
Density	DIN 52374	Kg/m ³	4/3	8/5	15/7	15/9	
Bonding	DIN 68705		3	3	3	3	
Bending strength, longitudinal	DIN 52371	MPa	47	38	26	30	
Bending strength, transversal	DIN 52371	MPa	24	31	34	37	
Modulus of elasticity, longitudinal bending	DIN 52371	MPa	5.400	4.100	2.900	3.300	
Modulus of elasticity, transversal bending	DIN 52371	MPa	1.700	3.000	4.000	3.900	

Thicknesses	The thicknesses shown below are those most commonly produced. On request some firms produce other thicknesses										
Nominal thicknesses (mm)	13	15	18	19	20	22	25	30	36	40	44 with double core
Dimensions	The dimensions shown below are the standard dimension most commonly produced						Other standard dimensions are produced by single firms and on request special dimensions can be produced				
Length (cm)	183						183				
Width (cm)	350						366				
Physical-mechanical properties (average values indicative)											
Property	Standard	Unit	panel thickness (mm)								
Density	UNI 6474	Kg/m ³	from 13 to 15	from 18 to 20	from 21 to 30	>30					
Bonding	UNI 6476		>8	>8	>8	>8					
Bending strength longitudinal	UNI 6481	MPa	31	29	25	11					
Bending strength transversal	UNI 6481	MPa	27	19	19	17					
Modulus of elasticity longitudinal bending	UNI 6481	MPa	4.300	4.150	4.100	2.050					
Modulus of elasticity transversal bending	UNI 6481	MPa	3.400	3.100	3.100	4.300					
Resistance to face withdrawal of screws	UNI 9346	N	1.150	1.150	1.150	1.150					
Resistance to axial edge withdrawal of screws	UNI 9346	N	700	600	600	600					
Resistance to transversal edge withdrawal of screws	UNI 9346	N	1.200	1.000	1.000	1.000					
Hardness of surface	UNI-ISO 3350	N	1.800	1.800	1.800	1.800					