

Technical data sheet

Poplar plywood

The **Poplar plywood** is usually made with urea-based adhesive suitable for use in dry environment (interior applications). Upon request and for uses subject to exposure to moisture variation, the panel is also available with melamine gluing.

This plywood is mainly characterized by its **light weight and easy workability**, however, it shows some interesting mechanical properties.

The Poplar plywood is widely used in the furniture industry, for the realization of motor-home and as wooden components for light vehicles in the transport sector.

Property ¹	Reference Standard	Unit	Values									
			4	6	8	10	12	15	18	20	25	30
Thickness	EN 315	mm	4	6	8	10	12	15	18	20	25	30
Layers		n°	3	5	5	5	7	7	9	9	11	15
Density	EN 323	kg • m ⁻³	450 ± 40									
Weight		kg • m ⁻²	1,8	2,7	3,6	4,5	5,4	6,8	8,1	9	11,3	13,5
Bending strength:												
parallel to grain	EN 310	N • mm ⁻²	55	55	53	50	35	30	42	34	32	30
perpendicular grain	EN 310	N • mm ⁻²	28	35	27	25	32	35	38	28	28	27
Bending modulus of elasticity:												
parallel to grain	EN 310	N • mm ⁻²	7 500	6 400	7 800	7 500	3 700	3 000	5 600	4 500	4 000	3 600
perpendicular grain	EN 310	N • mm ⁻²	1 000	3 000	2 600	2 500	3 400	3 400	4 400	3 600	3 500	2 600
Bonding quality	EN 314-2		Class 1									
Release of formaldehyde	EN 717-2		Class E1									
Reaction to fire	EN 13501-1		NPD				D-s2,d0 - D _{FL} -s1					
Thermal conductivity - λ	EN 12664	W • (m k) ⁻¹	0,12									

¹ **Warning:** The information given in this data sheet must be considered as mean values resulting from internal controls and are therefore indicative. The buyer is responsible for assessing the suitability of the panels to the specific application to which they are intended. He is also responsible that the modality of transport, storage and use of the panels are correct and conform to the guideline of the supplier and the requirements of applicable standards.