

## Particleboard HOMOGEN EN 312 P5 E1

Version: 1

Codierung: PI-4068

Gültig ab: 20.06.2014

Classification: boards for load bearing purposes, for interior use temporarily exposed to humidity  
Grade: regular, P5, sanded both sides

Properties	Test Method	Unit	Thickness range [mm]	Specification
Tolerance thickness within and between boards	EN 324-1	mm	6 - 43	± 0.3
Tolerance length and width	EN 324-1	mm	6 - 43	± 5
Squareness	EN 324-2	mm	6 - 43	≤2 per m
Moisture content	EN 322	%	6 - 43	5 - 13
Formaldehyde content class E1	EN 120	mg/100g	6 - 43	max. 8.0
Thickness swell (24h immersion in water @ 20°C)	EN 317	%	6 - 10	max. 13.0
			>10 - 13	11.0
			>13 - 32	10.0
			>32 - 43	9.0
Bending strength	EN 310	N/mm <sup>2</sup>	6 - 13	min. 18.0
			>13 - 20	16.0
			>20 - 25	14.0
			>25 - 32	12.0
			>32 - 40	10.0
			>40 - 43	9.0
Modulus of elasticity	EN 310	N/mm <sup>2</sup>	6 - 13	min. 2,550
			>13 - 20	2,400
			>20 - 25	2,150
			>25 - 32	1,900
			>32 - 40	1,700
			>40 - 43	1,550
Internal bond	EN 319	N/mm <sup>2</sup>	6 - 20	min. 0.45
			>20 - 25	0.40
			>25 - 32	0.30
			>32 - 43	0.25
Internal bond after cyclic test	EN 321	N/mm <sup>2</sup>	6 - 13	min. 0.25
			>13 - 20	0.22
			>20 - 25	0.20
			>25 - 32	0.17
			>32 - 40	0.15
			>40 - 43	0.12
Thickness swell after cyclic test	EN 321	%	6 - 13	max. 12.0
			>13 - 20	11.0
			>20 - 32	10.0
			>32 - 43	9.0