

MDF Properties

General Properties	Test Methods	Units	12>=18 mm	18>=30 mm
Thickness Tolerance	EN 324-1	mm	0.20 tolerance	0.30 tolerance
Length and width Tolerance	EN 324-1	mm/m	2.0 absolute , +- 5mm maximum	
Squareness	EN 324-2	mm/m	+- 2.0	
Density Tolerance	EN 324-1	%	+- 5.0	+- 5.0
Moisture Content	EN 323	%	4-11	
Formaldegyde Emission • E1 • E2	EN 322	mg/100 gr	<= 8.0 >8.0 - =< 30.0	
Internal Bond	EN 120	N/mm2	0.55	0.55
Bending Stengt	EN 319	N/mm2	20	18
Modules of Elasticity	EN 310	N/mm2	2200	2100
Thickness Swelling 24 hrs (Max)	EN 310	%	10	8
Surface Holding • Face • Edge	EN 320	N	1000 800	1000 750
Denisty	EN 323	Kg/m3	760-740	730
Surface absorption	EN 382-1	mm	150	150
Standerd Size / Thickness	For 2440 x 2100	2,5(unsanding) /3/6/8/10/12/14/16 18/22/25/30		
	For 1220 x 2440	2,5(unsanding) /3/6/8/10/12/14/16		

PVC Laminate Properties

Thickness DIN EN ISO 2286-3	300 um +- 10um
Tolerance C-Rite CI6X-CI7 / D65 / 10 / CIELAB	E*: <= 0.8 L*: -0.4 A*: +- 0.35 B*: +-0.4
Density	>= 1.5 g/cm^2
Tensile Strength ISO 527-3	Longitudinal : >= 45N , Transversal : >= 40N
Elongation at Break ISO 527-3	Longitudinal : >= 20% , Transversal : >= 25%
Scratch Resistance TS RN 15186 / DIN EN ISO 68861-4	<= 0.3N
Gloss Level Rhopoint 20 Gloss Meter	>=80 GU , >= 80 DOI
Light Fastness DIN EN ISO 4892-2/105 B02 TS EN ISO 15187	<= 0.6 (Xenon: 200 hr) E*
Scratch Resistance (Pencil Hardness) TS EN ISO 15187	HB
Adhesion Test	5B Value "0" (No Separate)
Dyne Pen Test	36 mN/m