

Test	Method	fiberon® Professional	Notes
<b>Physical properties</b>			
Weight (kg/lm)	ASTM D 792	3.3	Very stable (1040 kg/m <sup>3</sup> for Ipé)
Density (kg/m <sup>3</sup> )	ASTM D 792	1113	
Water retention		0.5	10% for a panel CTBH and 6% for massive wood
<b>Dimensional variation under variation of relative humidity 35% - 65% - 85 % (*)</b>			
Length mm/m 65% to 35%	EN318	-0,01	Very stable material
Length mm/m 65% to 85%		0,02	
Thickness mm/m 65% to 35%		-0,03	
Thickness mm/m 65% to 85%		0,03	
<b>Dimensional variation under temperature variation</b>			
Linear coefficient of expansion x10 <sup>-2</sup> mm/m/°C	ASTM D 696	3,6	Very small expansion
<b>Mechanical properties</b>			
Compression strength (Mpa)	ASTM D 143	18.72	
Hardness	Brinell	75	Very hard material
Modulus of Elasticity (Mpa)	ASTM D 790	3868	Very stiff material
Modulus of Rupture (Mpa)	ASTM D 790	19.3	
Static coefficient of friction (dry/wet)	ASTM D 2394	.62/.77	Non slippery material (even wet)
<b>Deflection loads (allowed/actual)</b>			
Residential – 4,8kPa , 40cm on center	BOCA	1.1mm/0.4mm	Good resistance against deflection
Commercial – 9,6kPa, 30cm on center	BOCA	0.8mm/0.3mm	

Tests made according to ASTM and EN standards



European Committee for Standardization  
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(\*) Tests made by



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