

MATERIAL PROPERTIES TRESPA ATHLON

Properties	Value	Unit	Standard
Physical properties			
Dimensional Stability	≤ 2,5	mm/m	EN 438
Density	≥ 1350	kg/m ³	ISO 1183
Weight			
Thickness 6 mm	± 8,5	kg/m ²	
Thickness 8 mm	± 11	kg/m ²	
Thickness 10 mm	± 14,0	kg/m ²	
Thickness 13 mm	± 18,5	kg/m ²	
Thickness 16 mm	± 22,5	kg/m ²	
Thickness 20 mm	± 28,0	kg/m ²	
Panel Tolerance			
Length & Width	- 0,0 / + 5	mm	EN 438
Thickness	± 0,4 for 6	mm	EN 438
	± 0,5 for 8 and 10	mm	
	± 0,6 for 13	mm	
	± 0,7 for 16	mm	
	± 0,8 for 20	mm	
Optical properties			
Resistance to dry heat at 180°C	≥ 4	Rating	EN 438
Resistance to wet heat at 100°C	≥ 4	Rating	EN 12721
Resistance to crazing	≥ 4	Rating	EN 438
Resistance to colour change (UV-A)	≥ 6	Wool scale	ASTM G53-91 (315 - 400nm)
Mechanical properties			
Modulus of elasticity	≥ 9000	N/mm ²	ISO 178
Tensile strength	≥ 70	N/mm ²	ISO 527-2
Flexural strength	≥ 100	N/mm ²	ISO 178
Resistance to impact by large diameter ball			
Drop height	1800	mm	EN 438
Diameter of indentation	≤ 10	mm	
Resistance to scratching	≥ 3	Rating	EN 438
Wear resistance for standard quality			
Initial point	≥ 150	Revolutions	EN 438
Wear value	≥ 350	Revolutions	
Chemical properties			
Resistance to staining	5	Rating	EN 438

Region	Quality	Fire classification	Standard
Behavior in case of fire			
European Union	Type FR	Euroclass B-s2d0	EN 438-7
	Type Standard	Euroclass D-s2d0	EN 438-4

Please note: Due to the CE-marking HPL panels have to be tested in accordance with EN 13501-1. National authorities decide on (the moment of) introduction of this standard in its building codes.

Disclaimer: All data is related to the products mentioned in the standard Trespa Athlon delivery program