

PHYSICAL AND MECHANICAL PROPERTIES FOR ARLINE (140mm x 24mm Deck Profile)



Property	Based	Method	Remark	Typical Value
Density	CEN/TS 15534	EN ISO 1183		1,2 g/cm ³
Bending strength	CEN/TS 15534	EN 310		11 N/mm ²
Falling mass impact	CEN/TS 15534	EN 477	+ 23°C	No break (>30)
		EN 477	- 20°C	No break (>15)
Surface Hardness (Brinell)	CEN/TS 15534	EN 1534		25 N/mm ²
Point load capacity		EN 1533		2500 N
Fire Class	CEN/TS 15534	EN 13501-1		Dfl
Reaction to fire tests	CEN/TS 15534	EN ISO 11925-2	Whether ignition occurs	No
		EN ISO 11925-2	Whether the flame tip reaches 150mm above the flame application point	No
		EN ISO 11925-2	presence of flaming droplets/particles which cause ignition of the filter paper	No
1 hour Thermal Expansion at 100°C	CEN/TS 15534	DIN EN 479	Thermal expansion found	% 0.3
		DIN EN 479	Differential Thermal expansion found	% 0.0
Water Absorption after keeping in water for 24 hours	Volume	CEN/TS 15534	DIN EN 317	No volumetric change
	Mass		DIN EN 317	< 2,0
Water Absorption after keeping in with salt water for 24 hours	Volume	CEN/TS 15534	DIN EN 317	No volumetric change
	Mass		DIN EN 317	< 2,0
Durability of wood and wood-Based products	Against Fungus	CEN/TS 15534	EN 350-1	Resistant
	Against Termite		EN 350-1	Resistant
	Against insect larvae		EN 350-1	Resistant

For tests 140mm x 24mm (14024) type profile is used

The values above are characteristic values from quality tests and therefore not for strength calculations in the service ability state.

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