

TECHNICAL FILE TWINSON

application: P9311

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Version: v2

deceuninck

		prEN 15534-1	based on	specific property	unit	value		
MATERIAL CHARACTERISTICS	physical properties	density	§ 6.1	ISO 1183-1/A	kg/dm ³	1.46 ± 0.05		
		vicat softening point	---	ISO 306/B50	°C	85 ± 2		
	mechanical properties	flexural properties	§ 7.3.1	ISO 178	flexural modulus	MPa	6500 ± 10%	
					bending strength	MPa	> 55	
	durability	swelling and water absorption (28 days)	§ 8.3.1	EN 317	mass increase	%	< 8	
		resistance to termites	§ 8.4.2	EN 117		class	1	
		resistance against basidiomycetes	§ 8.4.3.2	ENV 12038		class	1	
	durability	resistance against soil inhabiting soft rotting micro-fungi	§ 8.4.3.3	CEN/TS 15083-2		class	1	
		thermal properties	linear thermal expansion (-20 °C ... +60°C)	§ 9.1	ISO 11359-2	length direction	10 ⁻⁶ m ⁻¹ K ⁻¹	20 - 25
		burning behaviour	oxygen index	§ 10.1	ISO 4589-2		%	> 20
PRODUCT RELATED CHARACTERISTICS (P9555)	physical properties	slip resistance	---	EN 13893	Floor slider 2000	---	> 0.4	
	mechanical properties	flexural properties (Lv=50 cm)	§ 7.3.2	EN 310	flexural modulus	MPa	7000 ± 10%	
					bending strength	MPa	> 50	
	durability	creep behaviour (Lv=50 cm/85kg/50°C/ 7 days)	§ 7.4.2.1	EN 310	additional bending	mm	< 10	
		natural weathering (1 year Bandol)			bending strength retention	%	< 20	
		cyclic conditions (Lv=50 cm)	§ 8.3.2	EN 321	bending strength retention	%	< 20	
	thermal properties	boiling test	§ 8.3.3	ISO 1087-1	mass increase	%	< 8	
		heat reversion	§ 9.2	EN 479		%	< 0.2	
	burning behaviour	heat build-up	§ 9.3	ASTM D4803		°C	< 45	
		hot metal nut test	---	BS 4790		radius	< 35	

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