

**TECHNICAL FILE TWINSON**

application: P9360

date: 24/06/2019



		EN 15534-1	based on	specific property	unit	value	
MATERIAL CHARACTERISTICS	physical properties	density	§ 6.2	ISO 1183-1/A		kg/dm <sup>3</sup>	1.41 ± 0.05
	mechanical properties	flexural properties	§ 7.3.1	ISO 178	flexural modulus	MPa	6300 ± 10%
					bending strength	MPa	> 55
	durability	swelling and waterabsorption (28 days)	§ 8.3.1	EN 317	mass increase	%	< 8
		resistance to termites	§ 8.4	EN 117		class	1
		resistance against basidiomycetes	§ 8.5.2	ENV 12038		class	1
		resistance against soil inhabiting soft rotting micro-fungi	§ 8.5.3	CEN/TS 15083-2		class	1
thermal properties	linear thermal expansion (-20 °C ... +60 °C)	§ 9.2	ISO 11359-2	length direction	10 <sup>-6</sup> m <sup>-1</sup> K <sup>-1</sup>	20 - 25	
burning behaviour	oxygen index	§ 9.5	ISO 4589-2		%	> 20	
PRODUCT RELATED CHARACTERISTICS	physical properties	slip resistance	§ 6.4.3	DIN 51097	bare foot ramp test	class	C
			§ 6.4.4	EN 13893	Floor slider 2000	---	> 0.43
			§ 6.4.2	CEN/TS 15676	pendulum	USRV	---
			---	DIN 51130	rubber sole ramp test	class	R12
	mechanical properties	flexural properties (Lv=40 cm)	§ 7.3.2	EN 310	flexural modulus	MPa	6000 ± 10%
					bending strength	MPa	> 45
		creep behaviour (Lv=40 cm/85kg/50°C/ 7 days)	§ 7.4.1	EN 310	additional bending	mm	< 10
	durability	natural weathering (1 year Bandol)			bending strength retention	%	< 20
		cyclic conditions (Lv=40 cm)	§ 8.3.2	EN 321	bending strength retention	%	< 20
		boiling test	§ 8.3.3	ISO 1087-1	mass increase	%	< 4
	thermal properties	heat reversion	§ 9.3	EN 479		%	< 0.2
		heat build-up	§ 9.4	ASTM D4803		°C	< 45
	burning behaviour	single flame source	§ 9.6.1	ISO 11925-2	classification EN 13501-1	class	Bfl s1
		radiant heat source	§ 9.6.3	ISO 9239-1	classification EN 13501-1	class	
		hot metal nut test	---	BS 4790		radius	< 35

*The test results relate only to a sample used by the Deceuninck laboratories. Whilst the Deceuninck laboratories warrant that their tests will meet their applicable declared specifications, the Deceuninck laboratories make no other warranty, expressed or implied and accept no responsibility or liability in respect of false results which are within the limits of the declared specifications of the tests offered. No representation or warranty is given by Deceuninck or any of its officers or employees as to the accuracy of any test methods or test results. Neither Deceuninck nor any of its officers or employees shall have any liability or responsibility in respect of any laboratory or the accuracy of any test methods, test results or reports produced by any Deceuninck laboratory.*