

TECHNICAL FILE LIGNA

application: Ligna
P9600/9610

date: 11/03/2026
version: v1

deceuninck

			EN 15534-1	based on	specific property	unit	value
MATERIAL CHARACTERISTICS	physical properties	density	§ 6.2	ISO 1183-1/A		kg/dm ³	1.30 ± 0.05
	mechanical properties	flexural properties	§ 7.3.1	ISO 178	flexural modulus	MPa	3300 ± 10%
		flexural properties			bending strength	MPa	> 35
	durability	swelling and water absorption (28 days)	§ 8.3.1	EN 317	mass increase	%	< 4
	thermal properties	linear thermal expansion (-20 °C ... +60°C)	§ 9.2	ISO 11359-2	length direction	10 ⁻⁶ K ⁻¹	40 - 70
PRODUCT RELATED CHARACTERISTICS	durability	natural weathering (1 year Bandal)	§ 8.2	ISO 877-2	discoloration	dE	< 10
		boiling test	§ 8.3.3	ISO 1087-1	mass increase	%	< 2
	thermal properties	heat reversion	§ 9.3	EN 479		%	< 0.3
		heat build-up	§ 9.4	ASTM D4803		°C	6 - 12
		single flame source	§ 9.6.1	ISO 11925-2	classification EN 13501-1	class	E

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