



NationalPlastics

REVERSIBLE RIBBED AND GROOVED SOLID COMPOSITE DECKING BOARDS

Technical Data Sheet

Physical Property	Test Method	Value
Linear mass	EN 15534-1: 2014, 6.5	2.86 kg/m
Dimensions	EN 15534-1: 2014, 6.6.2	21 x 136 mm*
Deviation from straightness	EN 15534-1: 2014, 6.6.3	0.11 mm
Cupping	EN 15534-1: 2014, 6.6.4	0.29 mm

Mechanical Characteristics	Test Method	Value
Falling mass impact resistance	EN 15534-1: 2014, 7.1.2.1 (EN 477:1995)	1.04 mm
Ultimate Tensile Strength (UTS)	EEN 15534-1: 2014, 7.2 (EN ISO 527-2)	11.67 MPa
Elastic Modulus (MOE)	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	1.94 GPa
Maximum Stress (MOR)	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	32.18 MPa
Deflection at 500N	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	0.80 mm
Mid Span Point Load	EN ISO 178	Refer to load span table
Fire Rating	EN 13501-1:2018	E fl – s1

Durability	Test Method	Value
Moisture resistance under cyclic test conditions	EN 15534-1: 2014, 8.3.2 (EN 321:2001)	Deflection at 500N = 0.48 mm
Swelling and water absorption	EN 15534-1: 2014, 8.3.1 (EN 317)	Thickness = 2.63% Width = 0.13% Length = 0.13% Weight = 0.78%