



Technical Data

ecodek® Heavy Duty (HD) Physical Properties

Physical Property	Test Method	Value
Linear mass	EN 15534-1: 2014, 6.5	3.72 kg/m
Dimensions	EN 15534-1: 2014, 6.6.2	25 x 136 mm
Deviation from straightness	EN 15534-1: 2014, 6.6.3	0.08 mm
Cupping	EN 15534-1: 2014, 6.6.4	0.25 mm

Mechanical Characteristics	Test Method	Value
Falling mass impact resistance	EN 15534-1: 2014, 7.1.2.1 (EN 477:1995)	1.18 mm
Ultimate Tensile Strength (UTS)	EN 15534-1: 2014, 7.2 (EN ISO 527-2)	12.60 MPa
Elastic Modulus (MOE)	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	1.85 GPa
Maximum Stress (MOR)	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	37.22 MPa
Deflection at 500N	EN 15534-1: 2014, 7.3.2 (EN 310:1993)	0.49 mm
Mid Span Point Load	EN ISO 178	Refer to load span table

Durability	Test Method	Value
Moisture resistance under cyclic test conditions	EN 15534-1: 2014, 8.3.2 (EN 321:2001)	Deflection at 500N = 0.64 mm
Swelling and water absorption	EN 15534-1: 2014, 8.3.1 (EN 317)	Thickness = 1.56% Width = 0.95% Length = 0% Weight = 0.47%