

Characteristics	Unit.	Based on	Declared values and classes <sup>1</sup>	
			Hollow Profile	Solid Profile
Dimensions - Thickness	mm	EN 15534	24	
Dimensions - Width			140	
Swelling thickness	%	EN 317	0,4	0,3
Water absorption			1,1	0,6
Bending strength	N/mm <sup>2</sup>	EN 310	48	57
Modulus of elasticity in bending (distance between supports 500mm)			6600	5500
Bending strength (characteristic value)	N/mm <sup>2</sup>	EN789	40	46
Modulus of elasticity in bending (distance between supports 1080mm)			7300	7000
Impact strength (+23°C/1kg)	-	EN 477	80 cm (7,8J) (No rupture)	200 cm (19,6J) (No rupture)
Impact strength (-10°C/1Kg)			100 cm (9,8J) (No rupture)	200 cm (19,6J) (No rupture)
Point load capacity (characteristic value)	N	EN 1533	6810	8780
Mechanical fastener holding capacity (characteristic value)	N	-	1330 N (Quick-Fix Intermediate Clip) 1040 N (Quick-Fix Pro Intermediate Clip)	
UV radiation resistance (1000H) Charpy impact strength	KJ/m <sup>2</sup>	EN ISO4892-2 EN ISO179-1	Before ageing: 3,95 After ageing: 4,99	
Thermal expansion coefficient (-40°C, 80°C)	-	ASTM E228 EN821-1	(21,3 ± 0,1) x 10 <sup>-6</sup> K <sup>-1</sup> (x direction) (50,6 ± 0,8) x 10 <sup>-6</sup> K <sup>-1</sup> (y direction)	
Density	g/cm <sup>3</sup>	EN ISO 1183-1	1,392	
Influence of moisture (surface hardness)	N/mm <sup>2</sup>	EN 317 EN15534	94	101
Reaction to fire	-	ASTM E84-2017	20 (Class A)	15 (Class A)
		EN13501-1 EN ISO9239-1 ISO11925-2	B fl-s1	
Slipperiness	-	EN15534	Ok - Class 3	

<sup>1</sup>IHT assumes a variation of 30% due to the process production and to factors climatic exposure.

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