

POLYDET® Embossed



UV-/Weathering Resistance	conditionally
Composition	tissue, chopped strand mat, UP-resin
Thickness	2.0 – 3.0 mm
Width	up to 2,900 mm
Coil Length	80 m, 120 m or 240 m
Colour	RAL, NCS, customer-specific
Surface Protection	without, as Embossed Protect with foil
Bonding Preparation	one-sided corona treatment
Paintable	no

Product Description

- fibre-reinforced thermosetting plastic (GF-UP)
- structured surface

Technical Data

				Unit	Norm
Thickness	2.0	2.3	3.0	mm	
Physical Properties					
Density	1.41	1.44	1.40	g/cm ³	ISO 1183-1A
Glass Content	20	21	24	%	ISO 1172
Water Absorption	0.3	0.1	0.7	%	ISO 62
Volatile Content	< 0.5	< 0.5	0.5	%	ASTM D3530
Burning Properties	B2	B2	B2		DIN 4102-1
Burning Properties	E	E	E		EN 13501-1
Mechanical Properties					
Flexural Strength	168	130	170	N/mm ²	ISO 14125
Flexural Modulus	5,000	3,500	5,500	N/mm ²	ISO 14125
Flexural Strain	3.7	3.8	3.2	%	ISO 14125
Tensile Strength	87	72	70	N/mm ²	ISO 527-4
Tensile Modulus	5,800	5,900	5,100	N/mm ²	ISO 527-4
Elongation at Break	1.8	1.6	1,3	%	ISO 527-4
Impact Strength	47	41	45	kJ/m ²	ISO 179-1/2n
Penetration Test	12	12	30	Nm	ISO 6603-2

The indicated values are the result of measurements done on samples from the above-mentioned productions. Consequently, they do not represent any specification.