

POLYDET® Embossed WR



UV-/Weathering Resistance	conditionally
Composition	tissue, chopped stand mat, woven roving, UP-resin
Thickness	2.0 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
- with additional woven roving for increased mechanical properties

Technical Data

		Unit	Norm
Thickness	2.0	mm	
Physical Properties			
Density	1.54	g/cm ³	ISO 1183-1A
Glass Content	42	%	ISO 1172
Water Absorption	0.12	%	ISO 62
Mechanical Properties			
Flexural Strength	0°	305	N/mm ² ISO 14125
Flexural Modulus	0°	8,200	N/mm ² ISO 14125
Flexural Strain	0°	3.6	% ISO 14125
Flexural Strength	90°	230	N/mm ² ISO 14125
Flexural Modulus	90°	6,300	N/mm ² ISO 14125
Flexural Strain	90°	3.4	% ISO 14125
Tensile Strength	0°	165	N/mm ² ISO 527-4
Tensile Modulus	0°	11,700	N/mm ² ISO 527-4
Elongation at Break	0°	1.7	% ISO 527-4
Tensile Strength	90°	110	N/mm ² ISO 527-4
Tensile Modulus	90°	10,900	N/mm ² ISO 527-4
Elongation at Break	90°	1.2	% ISO 527-4
Impact Strength		91	kJ/m ² ISO 179-1/2n
Penetration Test		22	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.