

POLYDET® Standard WR



UV-/Wheatering Resistance	conditionally
Composition	chopped strand mat, woven roving, UP-resin
Thickness	0.8 – 3.0 mm
Width	up to 3,300 mm
Length	80 m, 120 m, 240 m
Colour	similar RAL, NCS, customer-specific
Surface Protection	one-sided protection film
Bonding Preparation	one-sided corona or film treatment
Paintable	not recommended, only with pretreatment

Product Description

- fibre glass reinforced composite in coils and sheets
- with additional woven roving for increased mechanical properties
- low thermal expansion
- for interior applications

Technical Data

					Unit	Norm
Thickness	0.8	1.2	1.5	2.0	mm	
Physical Properties						
Density	1.47	1.48	1.45	1.44	g/cm ³	ISO 1183-1A
Glass Content	33	33	33	30	%	ISO 1172
Water Absorption	0.3	0.6	0.6	0.6	%	ISO 62
Volatile Content	0.4	0.4	0.5	0.5	%	ASTM D3530
Mass per Unit Area	1.18	1.77	2.18	2.88	kg/m ²	
Mechanical Properties						
Flexural Strength	301	319	243	223	N/mm ²	ISO 14125
Flexural Modulus	5,100	4,900	6,000	4,400	N/mm ²	ISO 14125
Flexural Strain	5.4	4.7	4.2	4.1	%	ISO 14125
Tensile Strength	125	117	120	95	N/mm ²	ISO 527-4
Tensile Modulus	7,700	7,700	8,200	7,700	N/mm ²	ISO 527-4
Elongation at Break	1.6	1.7	1.6	1.5	%	ISO 527-4
Impact Strength	-	64	67	83	N/mm ²	ISO 179-1/2n
Penetration Test	5.4	6.9	6.2	20	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.