

POLYDET® Standard



UV-/Wheatering Resistance	conditionally
Composition	chopped strand mat, UP-resin
Thickness	0,8 – 3,0 mm
Width	up to 3.300 mm
Length	80 m, 120 m, 240 m
Colour	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
- for interior applications

Technical Data

							Unit	Norm
Thickness	0.8	1.0	1.2	1.5	2.0	3.0		
Physical Properties								
Density	1.42	1.39	1.40	1.38	1.43	1.40	g/cm ³	ISO 1183-1A
Glass Content	25	26	26	23	29	24	%	ISO 1172
Water Absorption	0.5	0.6	0.6	0.6	0.5	0.7	%	ISO 62
Volatile Content	0,5	0.5	0.5	0.5	0.5	0.5	%	ASTM D3530
Mass per Unit Area	1.14	1.53	1.68	2.07	2.86	4.22	kg/m ²	
Mechanical Properties								
Flexural Strength	99	115	105	160	192	170	N/mm ²	ISO 14125
Flexural Modulus	4,400	3,900	3,800	4,100	4,700	5,500	N/mm ²	ISO 14125
Flexural Strain	2.9	3.5	3.3	3.9	3.7	3.2	%	ISO 14125
Tensile Strength	77	63	67	76	96	70	N/mm ²	ISO 527-4
Tensile Modulus	6,400	6,600	6,200	6,700	8,300	5,100	N/mm ²	ISO 527-4
Elongation at Break	1.3	1.1	1.0	1.2	1.8	1.3	%	ISO 527-4
Impact Strength	35	38	36	32	68	45	N/mm ²	ISO 179-1/2n
Penetration Test	3.5	5.3	6.0	6.5	15	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.