

# POLYDET® Standard



<b>UV-/Wheatering Resistance</b>	conditionally
<b>Composition</b>	chopped strand mat, UP-resin
<b>Thickness</b>	0,8 – 3,0 mm
<b>Width</b>	up to 3.300 mm
<b>Length</b>	80 m, 120 m, 240 m
<b>Colour</b>	similar RAL, NCS, customer-specific
<b>Surface Protection</b>	one-sided protection film
<b>Bonding Preparation</b>	one-sided corona or film treatment
<b>Paintable</b>	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		
<b>Physical Properties</b>								
<b>Density</b>	1.42	1.39	1.40	1.38	1.43	1.40	g/cm <sup>3</sup>	ISO 1183-1A
<b>Glass Content</b>	25	26	26	23	29	24	%	ISO 1172
<b>Water Absorption</b>	0.5	0.6	0.6	0.6	0.5	0.7	%	ISO 62
<b>Volatile Content</b>	0,5	0.5	0.5	0.5	0.5	0.5	%	ASTM D3530
<b>Mass per Unit Area</b>	1.14	1.53	1.68	2.07	2.86	4.22	kg/m <sup>2</sup>	
<b>Mechanical Properties</b>								
<b>Flexural Strength</b>	99	115	105	160	192	170	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Modulus</b>	4,400	3,900	3,800	4,100	4,700	5,500	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Strain</b>	2.9	3.5	3.3	3.9	3.7	3.2	%	ISO 14125
<b>Tensile Strength</b>	77	63	67	76	96	70	N/mm <sup>2</sup>	ISO 527-4
<b>Tensile Modulus</b>	6,400	6,600	6,200	6,700	8,300	5,100	N/mm <sup>2</sup>	ISO 527-4
<b>Elongation at Break</b>	1.3	1.1	1.0	1.2	1.8	1.3	%	ISO 527-4
<b>Impact Strength</b>	35	38	36	32	68	45	N/mm <sup>2</sup>	ISO 179-1/2n
<b>Penetration Test</b>	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.