

# POLYDET® Standard Plus



<b>UV-/Wheatering Resistance</b>	conditionally
<b>Composition</b>	tissue, 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 in coils and sheets
- with additional tissue to cover fibre print
- for interior applications

## Technical Data

				Unit	Norm
Thickness	1.0	1.2	1.5	mm	
<b>Physical Properties</b>					
<b>Density</b>	1.38	1.39	1.36	g/cm <sup>3</sup>	ISO 1183-1A
<b>Glass Content</b>	24	25	24	%	ISO 1172
<b>Water Absorption</b>	0.3	0.3	0.3	%	ISO 62
<b>Volatile Conent</b>	0.5	0.6	0.5	%	ASTM D3530
<b>Mass per Unit Area</b>	1.38	1.67	2.04	kg/m <sup>2</sup>	
<b>Mechanical Properties</b>					
<b>Flexural Strength</b>	164	195	165	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Modulus</b>	2,800	4,200	3,300	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Strain</b>	4.4	5.3	4.1	%	ISO 14125
<b>Tensile Strength</b>	93	78	83	N/mm <sup>2</sup>	ISO 527-4
<b>Tensile Modulus</b>	6,000	5,700	6,000	N/mm <sup>2</sup>	ISO 527-4
<b>Elongation at Break</b>	2.0	2.0	2.1	%	ISO 527-4
<b>Impact Strength</b>	41	41	34	N/mm <sup>2</sup>	ISO 179-1/2n
<b>Penetration Test</b>	5	6	8	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.