

# POLYDET® Performance Plus



<b>UV-/Wheatering Resistance</b>	excellent
<b>Composition</b>	gelcoat, tissue, chopped strand mat, UP-resin
<b>Thickness</b>	1.1 – 3.0 mm
<b>Width</b>	up to 3,300 mm
<b>Length</b>	80 m, 120 m, 240 m
<b>Colour</b>	RAL, NCS, customer-specific
<b>Surface Protection</b>	one-sided protection film
<b>Bonding Preparation</b>	corona treatment or film-treatment
<b>Paintable</b>	yes

## Product Description

- fibre glass reinforced composite
- coated with premium gelcoat resin system
- homogenous glossy surface
- very good fibre coverage due to additional tissue
- available as **Antibac-Version**

## Technical Data

							Unit	Norm
Thickness	1.1	1.3	1.5	1.8	2.0	3.0	mm	
<b>Physical Properties</b>								
<b>Density</b>	1.37	1.36	1.38	1.40	1.36	1.39	g/cm <sup>3</sup>	ISO 1183-1A
<b>Glass Content</b>	20	20	23	24	22	22	%	ISO 1172
<b>Water Absorption</b>	0.3	0.3	0.3	0.4	0.4	0.4	%	ISO 62
<b>Volatile Content</b>	0.4	0.4	0.4	0.4	0.4	0.4	%	ASTM D3530
<b>Mass per Unit Area</b>	1.50	1.79	2.08	2.52	2.72	4.17	kg/m <sup>2</sup>	
<b>Mechanical Properties</b>								
<b>Flexural Strength</b>	100	105	120	156	161	125	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Modulus</b>	3,400	3,300	4,400	4,700	3,800	3,800	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Strain</b>	4.3	4.0	3.3	3.2	3.9	3.5	%	ISO 14125
<b>Tensile Strength</b>	60	59	77	82	90	92	N/mm <sup>2</sup>	ISO 527-4
<b>Tensile Modulus</b>	5,900	5,700	5,700	6,000	5,200	5,100	N/mm <sup>2</sup>	ISO 527-4
<b>Elongation at Break</b>	1.2	1.2	1.4	1.5	2.2	2.0	%	ISO 527-4
<b>Impact Strength</b>	39	37	45	47	46	44	N/mm <sup>2</sup>	ISO 179-1/2n
<b>Penetration Test</b>	2.9	5.0	9.0	19	26	29	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.