

POLYDET® Performance



UV-/Wheating Resistance	excellent
Composition	gelcoat, chopped strand mat, UP-resin
Thickness	1.0– 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	yes

Product Description

- fibre glass reinforced composite
- coated with premium gelcoat resin system
- homogenous glossy surface
- available as **Antibac-Version**

Technical Data

					Unit	Norm
Thickness	1.0	1.2	1.5	2.0	mm	
Physical Properties						
Density	1.34	1.4	1.38	1.38	g/cm ³	ISO 1183-1A
Glass Content	20	20	23	23	%	ISO 1172
Water Absorption	0.4	0.4	0.4	0.4	%	ISO 62
Volatile Content	0.5	0.5	0.5	0.5	%	ASTM D3530
Mass per Unit Area	1.34	1.61	2.07	2.76	kg/m ²	
Mechanical Properties						
Flexural Strength	90	92	155	146	N/mm ²	ISO 14125
Flexural Modulus	3,300	3,200	4,200	4,500	N/mm ²	ISO 14125
Flexural Strain	3.4	3.3	3.7	3.4	%	ISO 14125
Tensile Strength	65	69	77	92	N/mm ²	ISO 527-4
Tensile Modulus	5,600	5,500	6,500	6,000	N/mm ²	ISO 527-4
Elongation at Break	1.2	1.2	1.2	1.3	%	ISO 527-4
Impact Strength	28	29	46	51	N/mm ²	ISO 179-1/2n
Penetration Test	3.8	3.9	10	28	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.