

POLYDET® Performance WR Plus Flex



UV-/Wheatering Resistance	excellent
Composition	gelcoat, tissue, chopped strand mat, woven roving, UP-resin
Thickness	1.4 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 in coils and sheets
- coated with premium gelcoat resin system
- homogenous glossy surface
- very good fibre coverage due to additional tissue
- with additional woven roving for increased mechanical properties
- low thermal expansion
- available as **Antibac-Version**

Technical Data

		Unit	Norm
Thickness	1.4	mm	
Physical Properties			
Density	1.40	g/cm ³	ISO 1183-1A
Glass Content	27	%	ISO 1172
Water Absorption	0.3	%	ISO 62
Volatile Content	0.5	%	ASTM D3530
Mass per Unit Area	2.00	kg/m ²	-
Mechanical Properties			
Flexural Strength	0°	175	N/mm ² ISO 14125
Flexural Modulus	0°	3400	N/mm ² ISO 14125
Flexural Strain	0°	6.2	% ISO 14125
Flexural Strength	90°	185	N/mm ² ISO 14125
Flexural Modulus	90°	3600	N/mm ² ISO 14125
Flexural Strain	90°	3.2	% ISO 14125
Tensile Strength	0°	100	N/mm ² ISO 527-4
Tensile Modulus	0°	7200	N/mm ² ISO 527-4
Elongation at Break	0°	1.71	% ISO 527-4
Tensile Strength	90°	96	N/mm ² ISO 527-4
Tensile Modulus	90°	7200	N/mm ² ISO 527-4
Elongation at Break	90°	1.74	% ISO 527-4
Impact Strength		53	N/mm ² ISO 179-1/2n
Penetration Test		8.75	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.