

POLYDET® HighGloss r-PET



UV-/Wheatering Resistance	excellent
Composition	gelcoat, chopped strand mat, woven roving, recycling UP-resin
Thickness	1.3 – 2.0 mm
Width	up to 3,300 mm
Length	80 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
- UP resin with 30% recycled content
- smooth surface for highest aesthetical aspects
- combines the look of painted aluminum with the mechanical properties of FRP
- coated with premium gelcoat resin system
- with additional woven roving for increased mechanical properties

Technical Data

		Unit	Norm
Thickness	1.3	mm	
Physical Properties			
Density	1.47	g/cm ³	ISO 1183-1A
Glass Content	30.8	%	ISO 1172
Water Absorption	0.4	%	ISO 62
Mechanical Properties			
Flexural Strength	259	N/mm ²	ISO 14125
Flexural Modulus	5,270.9	N/mm ²	ISO 14125
Flexural Strain	5.43	%	ISO 14125
Tensile Strength	109.7	N/mm ²	ISO 527-4
Tensile Modulus	7,494.3	N/mm ²	ISO 527-4
Elongation at Break	1.72	%	ISO 527-4
Impact Strength	78	N/mm ²	ISO 179-1/2n
Penetration Test	9.7	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.