

# POLYDET® PowerStar Plus FG



<b>UV-/Wheatering Resistance</b>	excellent
<b>Composition</b>	fine woven roving, special resin optional
<b>Thickness</b>	0.7 mm
<b>Width</b>	up to 3,000 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>	one-sided corona or film treatment
<b>Paintable</b>	yes

## Product Description

- fibre glass reinforced composite in coils and sheets
- high lightweight construction potential
- extremely high glass content for outstanding mechanical properties
- matrix of polyester or epoxy resin

## Technical Data

		Unit	Norm
<b>Thickness</b>	<b>0.7</b>	mm	
<b>Physical Properties</b>			
<b>Density</b>	1.80	g/cm <sup>3</sup>	ISO 1183-1A
<b>Glass Content</b>	60	%	ISO 1172
<b>Water Absorption</b>	0.7	%	ISO 62
<b>Volatile Content</b>	<0.5	%	ASTM D3530
<b>Mass per Unit Area</b>	1.2	kg/m <sup>2</sup>	
<b>Mechanical Properties</b>			
<b>Tensile Strength</b>	0°	230	N/mm <sup>2</sup> ISO 14125
<b>Tensile Modulus</b>	0°	16,300	N/mm <sup>2</sup> ISO 14125
<b>Elongation at Break</b>	0°	1.58	% ISO 14125
<b>Tensile Strength</b>	90°	220	N/mm <sup>2</sup> ISO 527-4
<b>Tensile Modulus</b>	90°	17,000	N/mm <sup>2</sup> ISO 527-4
<b>Elongation at Break</b>	90°	1.46	% ISO 527-4
<b>Penetration Test</b>		13	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.