

# POLYDET® LiteFloor



<b>Composition</b>	chopped strand mat, woven roving, epoxy resin, PVC cover layer
<b>Dicke Trägerlaminat</b>	1.1 mm   1.4 mm
<b>Total Thickness</b>	2.5 mm   2.9 mm
<b>Width</b>	up to 2,800 mm
<b>Length</b>	60 m
<b>Colour</b>	customer-specific
<b>Bonding Preparation</b>	one-sided corona treatment

## Product Description

- fibre glass reinforced composite in coils and sheets
- customized PVC cover sheet
- extremely high glass content for outstanding mechanical properties
- outmost viscoplastic matrix resin system

## Technical Data

		Unit	Norm
<b>Thickness</b>	<b>2.5</b>	<b>mm</b>	
<b>Physical Properties</b>			
<b>Density</b>	1.23	g/cm <sup>3</sup>	ISO 1183-1A
<b>Glass Content</b>	24	%	ISO 1172
<b>Water Absorption</b>	1.2	%	ISO 62
<b>Mass per Unit Area</b>	1.9	kg/m <sup>2</sup>	
<b>Mechanical Properties</b>			
<b>Flexural Strength</b>	44.7	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Modulus</b>	803.5	N/mm <sup>2</sup>	ISO 14125
<b>Flexural Strain</b>	8.92	%	ISO 14125
<b>Tensile Strength</b>	105	N/mm <sup>2</sup>	ISO 527-4
<b>Tensile Modulus</b>	7,078	N/mm <sup>2</sup>	ISO 527-4
<b>Elongation at Break</b>	2.06	%	ISO 527-4
<b>Impact Strength</b>	32.58	kJ/m <sup>2</sup>	ISO 179-1/2n
<b>Penetration Test</b>	19	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.