

POLYDET® High Gloss – Brilliant shine

Material:	POLYDET® High Gloss
Product thickness:	2,0mm
Product width:	up to 3300mm
Coil length:	75m
Colors available:	RAL, NCS

DEFINITION

The POLYDET® High Gloss is a special designed cold cured glass fibre reinforced composite for highest aesthetical aspects. It provides a smooth surface and an invisible fiberstructure in comparison with standard FRP skins. POLYDET High Gloss utilizes a high grade flexible isophthalic Gelcoat for ultimate weathering properties.

USE / APPLICATION

POLYDET® High Gloss is intended for applications which require the look of painted aluminium in combination with the mechanical properties of FRP (Caravans, Motorhomes etc.)

Properties	Value	Unit	Norm
<u>Physical Properties</u>			
Density	1.37	g/cm ³	ISO 1183-1A
Glass content	24	%	ISO 1172
Water absorption	0.2	%	ISO 62
Volatile content	0.4	%	ASTM D3530
Barcol-Hardness	40	-	EN 59
<u>Mechanical Properties</u>			
Flexural strength	139	N/mm ²	ISO 14125
Flexural modulus	4,500	N/mm ²	ISO 14125
Flexural strain	3.6	%	ISO 14125
Tensile strength	71	N/mm ²	ISO 527-4
Tensile modulus	6,200	N/mm ²	ISO 527-4
Elongation at break	1.35	%	ISO 527-4
Impact strength	41	kJ/m ²	ISO 179-1 / 2 n
Penetration test	12	Nm	ISO 6603-2

The indicated values are the result of measurements done on samples. Consequently they do not represent any specification.