

# StyLight Hybrid S C/2G1/C-1

## TECHNICAL DATASHEET

Property, Test Condition	Standard	Unit	Values
<b>Mechanical Properties</b>			
Tensile Modulus, 0° fiber direction, 23°C	ISO 527-4	GPa	35
Tensile Strength, 0° fiber direction, 23°C	ISO 527-4	MPa	480
Tensile Elongation, 0° fiber direction, 23°C	ISO 527-4	%	1.8
Flexural Modulus, 0° fiber direction, 23°C	ISO 14125	GPa	24
Flexural Strength, 0° fiber direction, 23°C	ISO 14125	MPa	590
<b>Thermal Properties</b>			
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	ISO 75	°C	108
Glass transition temperature	ISO 75	°C	110
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1510
Moisture Absorption, Equilibrium 23 °C/50% RH	ISO 62	%	0.08
TVOC	VDA 277	ppm	41
<b>Processing</b>			
Maximum Sheet Heating Temperature	-	°C	250
Mold Temperature Range (Isotherm)	ISO 294	°C	90 - 100
Minimum Sheet Temperature Before Mold Closing	-	°C	180 - 200
Molding Pressure	-	Bar	10 - 20
<b>Material Description</b>			
Area weight	-	g/m <sup>2</sup>	1280
Thickness per layer	-	mm	0.85
Fibre Volume Content	-	%	45