



Data Sheet

FACTOR[®] PP LGF20 S11

Product Description

Long glass fibre reinforced Polypropylene, fibre content 20%, cutting length 11 mm, colour: black Application: Injection moulding

Properties

Property		Test Method	Unit	Typical Value
Length		-	mm	11
Density		ISO 1183	g/cm ³	1,04
Fibre Content		-	%	20
Tensile Strength	+23°C	ISO 527	MPa	80
	+80°C		MPa	45
Tensile Modulus	+23°C	ISO 527	MPa	5.000
	+80°C		MPa	3800
Tensile Elongation	+23°C	ISO 527	%	3,1
	+80°C		%	3,9
Flexural Strength	+23°C	ISO 178	MPa	110
	+80°C		MPa	65
Flexural Modulus	+23°C	ISO 178	MPa	4.800
	+80°C		MPa	2.600
Flexural Elongation	+23°C	ISO 178	%	3,1
	+80°C		%	3,7
Impact Strength (Charpy unnotched)	+23°C	ISO 179	kJ/m ²	50
	-30°C		kJ/m ²	38
Heat Deflection Temperature HDT/A		ISO 75	°C	>145
Dart Impact	23°C	DIN 53443/2		

preliminary data sheet, status 06/03
technical data subject to change