

TechnoFiber Performance PP LGF 20-10-02 HI

Polypropylene
TechnoCompound GmbH

Message:

TechnoFiber Performance PP LGF 20-10-02 HI is a polypropylene material containing 20% long glass fibers. This product is available in North America, Europe or Asia Pacific.

General Information			
Filler / Reinforcement	Long glass fiber, 20% filler by weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
shrinkage-Flow ¹	0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4300	MPa	ISO 527-2/1
Tensile Stress (Yield)	78.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.6	%	ISO 527-2/50
Flexural Modulus ²	4500	MPa	ISO 178
Flexural Stress ³	105	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	ISO 179/1eA
23°C	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	44	kJ/m ²	ISO 179/1eU
23°C	43	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Melting Temperature ⁴	165	°C	ISO 11357-3
NOTE			
1.	240°C / WZ 40°C, 600 bar		
2.	2.0 mm/min		
3.	5.0 mm/min		
4.	10°C/min		

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Recommended distributors for this material

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