

TechnoFin PP GF 20

Polypropylene
TechnoCompound GmbH

Message:
Ranging from commodity to tailor-made compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Appearance	Black		
	Available colors		
	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	59.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500	MPa	ISO 527-2/1
Tensile Stress			
Yield	45.0	MPa	ISO 527-2/50
Fracture	55.0	MPa	ISO 527-2/5
Tensile Strain			
Yield	3.0	%	ISO 527-2/50
Fracture	3.4	%	ISO 527-2/5
Flexural Modulus ¹	4010	MPa	ISO 178
Flexural Stress ²	84.9	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.1	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	25	kJ/m ²	ISO 179/1eU
23°C	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	155	°C	ISO 75-2/B
1.8 MPa, not annealed	119	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+13	ohms	IEC 60093
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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Recommended distributors for this material

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