

TechnoFin PP GF 40

Polypropylene
TechnoCompound GmbH

Message:
Ranging from commodity to tailor-made compound

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Appearance	Black		
	Available colors		
	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	68.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ISO 527-2/1
Tensile Stress			
Yield	70.0	MPa	ISO 527-2/50
Fracture	76.0	MPa	ISO 527-2/5
Tensile Strain			
Yield	2.0	%	ISO 527-2/50
Fracture	2.2	%	ISO 527-2/5
Flexural Modulus ¹	8080	MPa	ISO 178
Flexural Stress ²	110	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.8	kJ/m ²	ISO 179/1eA
23°C	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	27	kJ/m ²	ISO 179/1eU
23°C	27	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	160	°C	ISO 75-2/B
1.8 MPa, not annealed	142	°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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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