

TechnoFiber PP LGF60

Polypropylene
TechnoCompound GmbH

Message:

TechnoFiber products are long glass fibre reinforced thermoplastics made by TechnoCompound GmbH. These raw materials are fashioned into so-called tailor-made compounds upon customer specifications. Nearly all partly crystalline and amorphous thermoplastics can be used as thermoplastic matrix. Our long glass fibre products are predestined for the manufacturing of components, which are exposed to extreme mechanical stress - as well as to high temperatures - which until recently were made of light-weight metal or thermo-set plastics.

The long glass fibre reinforced tubular pellets with a diameter of approx. 2-3 mm are available in lengths of 10, 15 and 20 mm. Fibre and pellet are of the same length. The pultrusion technology applied by TechnoCompound coats each glass fibre filament with a polymer matrix and joins fibre and matrix.

General Information			
Filler / Reinforcement	Long glass fiber, 60% filler by weight		
Features	Impact resistance, high		
	Good wear resistance		
Uses	Electrical/Electronic Applications		
	Electrical housing		
	Power/other tools		
	Furniture		
	Insulating material		
	Accessories		
	Application in Automobile Field		
	Car interior parts		
	Sporting goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12500	MPa	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eA
Additional Information			
Moisture Content, Infared 105°C, 15 min: <0.10%Ash Content, ISO 3451, 950°C: 60%			
Injection	Nominal Value	Unit	
Rear Temperature	230 - 280	°C	
Middle Temperature	230 - 280	°C	
Front Temperature	230 - 280	°C	
Processing (Melt) Temp	240 - 270	°C	
Mold Temperature	30.0 - 80.0	°C	

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