

SLOVASTER® E GF 30

Polyethylene Terephthalate

Plastcom

Message:

PET for injection moulding, chemically reinforced with 30% glass fibre. Characterised by excellent properties also at minus temperatures like eg. modulus of elasticity in tension and bending, tensile strength, toughness. Does not absorb water, that means that identical properties are maintained also in wet environment. Melt is characterised by very good rheology, which enables manufacturing of extremely multiple products with complicated downflow-path. Anisotropy of shrinkage is much better in comparison with PA, what influences the manufacturing of round, cylindric or other hole products. Application in the automotive, electrical and engineering industry - connectors of cable harnesses, car-door locks, connection links, grips etc. Delivered in natural mode and in the full RAL colour scale.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
	Good Dimensional Stability		
	High Stiffness		
	High Strength		
Uses	Automotive Applications		
	Gears		
	Power/Other Tools		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PET		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	0.80	%	
Flow	0.30	%	
Water Content	0.15	%	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11000	MPa	ISO 527-2
Tensile Stress (Yield)	170	MPa	ISO 527-2
Tensile Strain (Yield)	2.6	%	ISO 527-2
Flexural Modulus	11000	MPa	ISO 178
Flexural Stress	270	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179
-20°C	10	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	45	kJ/m ²	
23°C	48	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	224	°C	ISO 75-2/B
Vicat Softening Temperature	190	°C	ISO 306/B
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	130	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	50.0 to 90.0	°C	
Injection Pressure	60.0 to 100	MPa	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

