

DURANEX® SF3300

Polybutylene Terephthalate

Polyplastics Co., Ltd.

Message:

Super High Flow, HB, GF30% reinforced, Standard

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	High liquidity		
Forms	Particle		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>PBT-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	135	MPa	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	9340	MPa	ISO 178
Flexural Stress	218	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	11	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	213	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Additional Information	Nominal Value		
Color Number	ED3002		
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	3.0 - 5.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	40.0 - 80.0	°C	
Holding Pressure	60.0 - 100	MPa	
Screw Speed	100 - 150	rpm	
Injection instructions			

Cooling Time: Plasticization time + alpha or time without sticking in mold

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