

DURANEX® GFR330

Polybutylene Terephthalate

Polyplastics Co., Ltd.

Message:

Flame Retardant, Standard, UL Approved Regrind 50% Inclusive, GF30% reinforced

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Flame retardancy		
Features	Flame retardancy		
UL File Number	E213445		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>PBT-GF30 FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	129	MPa	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	10700	MPa	ISO 178
Flexural Stress	202	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.1	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	209	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (3.00 mm)	18	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI)	225	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value		
Color Number	EF2001/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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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

