LONGLITE® PBT 3030-104XR

Polybutylene Terephthalate

CCP Group

Message:

PBT 3030-104XR is a 30% glass fiber reinforced hydrolysis resistant black color injection molding grade.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Hydrolysis Resistant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.53	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	23	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80 to 1.1	%	
Flow	0.10 to 0.40	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	10000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	145	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.2	%	ISO 527-2
Flexural Modulus (23°C)	8200	MPa	ISO 178
Flexural Stress (23°C)	205	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	8.5	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Melting Temperature	225	°C	ISO 11357-3
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Electric Strength (2.00 mm)	20	kV/mm	IEC 60243-1
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	120 to 140	°C	
Drying Time	4.0	hr	

Processing (Melt) Temp	240 to 270	°C
Mold Temperature	60.0 to 100	°C

Recommended distributors for this material

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