LONGLITE® PBT 6000-210

Chang Chun Plastics Co., Ltd. (CCP Group) - *Polycarbonate + PBT*

General Information

Product Description

PBT/PC 6000-210 is unreinforced injection molding grade.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Impact Modifier	• Mold Release	
Features	• Impact Modified		
Forms	• Pellets		
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >(PBT+PC)<		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	38	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.8 to 2.3	%	
Flow	1.8 to 2.3	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	7250	psi	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	334000	psi	ISO 178
Flexural Stress	11600	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	2.4	ft·lb/in²	ISO 179/1eA
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.031 in)	HB		UL 94
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Melt Viscosity (500°F, 1000 sec^-1)	145	Pa·s	ISO 11443

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	248	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.040	%
Processing (Melt) Temp	464 to 518	°F
Mold Temperature	104 to 176	°F