

**LONGLITE® PBT 1100-112CM**

 Chang Chun Plastics Co., Ltd. (CCP Group) - *Polybutylene Terephthalate*
**General Information**
**Product Description**

PBT 1100-112CM is an unreinforced injection and high shrinkage molding grade.

**General**

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Additive	• Mold Release
Features	• High Shrinkage
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	2.1 to 2.6	%	
Flow	2.1 to 2.6	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	8560	psi	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	377000	psi	ISO 178
Flexural Stress	12600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.4	ft-lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	135	°F	ISO 75-2/A
Melting Temperature <sup>2</sup>	437	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Electric Strength (0.0787 in)	510	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		Internal Method
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (500°F, 1000 sec <sup>-1</sup> )	250	Pa·s	ISO 11443

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	248 to 284	°F
Drying Time	3.0 to 5.0	hr
Suggested Max Moisture	0.040	%
Processing (Melt) Temp	464 to 518	°F
Mold Temperature	104 to 176	°F

