

LONGLITE® PBT 7330-104X

Chang Chun Plastics Co., Ltd. (CCP Group) - Acrylonitrile Butadiene Styrene + PBT

General Information

Product Description

PBT/ABS 7330-104X is a 30% glass fiber reinforced injection molding grade.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Chemical Resistant	• Good Moldability	• Low Warpage
	• Excellent Weather Resistance	• High Dimensional Stability	• Wear Resistant
	• Good Electrical Properties	• High Heat Resistance	
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 0.0630 in	0.50 to 1.1	%	
Flow : 0.0630 in	0.10 to 0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.45E+6	psi	ISO 527-1
Tensile Stress	17400	psi	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	1.09E+6	psi	ISO 178
Flexural Stress	25400	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.0	ft·lb/in ²	ISO 179
Charpy Unnotched Impact Strength (73°F)	21	ft·lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	3.6	ft·lb/in ²	ISO 180
Unnotched Izod Impact Strength (73°F)	19	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	392	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	347	°F	ISO 75-2/A
Melting Temperature	437	°F	DSC
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Electric Strength (0.0787 in)	480	V/mil	IEC 60243-1
Arc Resistance	90.0	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	V-0		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (500°F, 1000 sec ⁻¹)	200	Pa·s	ISO 11443

Processing Information

Injection	Nominal Value	Unit
Middle Temperature	464 to 527	°F
Nozzle Temperature	482 to 527	°F
Mold Temperature	104 to 248	°F
Injection Pressure	7110 to 17100	psi



Injection Rate	Moderate-Fast
Holding Pressure	4270 to 11400 psi
Back Pressure	0.00 to 42.7 psi
Screw Speed	60 to 120 rpm

Notes

¹ Typical properties: these are not to be construed as specifications.

