

LONGLITE® PBT 3030-200LW

Chang Chun Plastics Co., Ltd. (CCP Group) - Polybutylene Terephthalate

General Information
Product Description

3030-200LW is a 30% glass fiber reinforced, laser weldable, injection molding grade.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Mold Release
Features	• Laser Weldable
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.51	g/cm ³	ISO 1183
Molding Shrinkage - Across Flow	0.30 to 0.70	%	ISO 294-4
Water Absorption (Equilibrium, 73°F, 50% RH)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	20300	psi	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	1.16E+6	psi	ISO 178
Flexural Stress	23900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft-lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	131	°F	ISO 75-2/A
Melting Temperature ²	437	°F	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Electric Strength (0.0787 in)	580	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	HB		UL 94

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

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

² 10°C/min
