

CHANG CHUN PLASTICS CO., LTD.

NO. 301, SONGKIANG ROAD, 7TH FL., TAIPEI, 10477 TAIWAN
TEL : 886-2-2503-8131 (REF) FAX : 886-2- 2501-8018

CCP PBT 3030-200LW THERMOPLASTIC POLYESTER RESIN

Product Description

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

Characteristics

Processing • Injection Molding

Deliver form • Pellets

Additives • Release agent

Physical properties	Value	Unit	Test Method
---------------------	-------	------	-------------

Density	1.51	g/cm ³	ISO 1183
---------	------	-------------------	----------

Molding shrinkage, parallel	-	%	ISO 294-4, 2577
-----------------------------	---	---	-----------------

Molding shrinkage, normal	0.3-0.7	%	ISO 294-4, 2577
---------------------------	---------	---	-----------------

Moisture	0.1	%	ISO 62
----------	-----	---	--------

Mechanical properties	Value	Unit	Test Method
-----------------------	-------	------	-------------

Stress at break	140	MPa	ISO 527-1/-2
-----------------	-----	-----	--------------

Strain at break	2.5	%	ISO 527-1/-2
-----------------	-----	---	--------------

Flexural Strength	190	MPa	ISO 178
-------------------	-----	-----	---------

Flexural Modulus	8000	MPa	ISO 178
------------------	------	-----	---------

Charpy impact strength – notched 23°C	9.0	kJ/m ²	ISO 179/1eA
--	-----	-------------------	-------------

Thermal properties	Value	Unit	Test Method
--------------------	-------	------	-------------

Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
-------------------------------	-----	----	----------------

Heat deflection temperature under load 1.80 Mpa	55	°C	ISO 75-1/-2
--	----	----	-------------

Flammability	Value	Unit	Test Method
--------------	-------	------	-------------

Flammability acc. to UL94, 0.8mm thickness	HB	-	UL 94
--	----	---	-------

Electrical properties	Value	Unit	Test Method
-----------------------	-------	------	-------------

Dielectric strength, 2mm thick	23	kV/mm	IEC 60243-1
--------------------------------	----	-------	-------------

Volume resistivity	>10 ¹³	Ω*m	IEC 60093
--------------------	-------------------	-----	-----------

CHANG CHUN PLASTICS CO., LTD.

NO. 301, SONGKIANG ROAD, 7TH FL., TAIPEI, 10477 TAIWAN
TEL : 886-2-2503-8131 (REF) FAX : 886-2- 2501-8018

CCP PBT 3030-200LW THERMOPLASTIC POLYESTER RESIN

Surface resistivity	10 ¹³	Ω	IEC 60093
Injection molding			
Pre-drying :	120°C, 5hours or longer 140°C, 3hours or longer		
Processing moisture content :	=< 0.04%		
Resin temperature :	240~270°C		
Mold temperature :	40~80°C		

These property values are typical values obtained under varying conditions prescribed by certain standards and test methods and therefore are not the minimum values of the material specifications.