

LONGLITE® PBT 7015-104X

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

General Information

Product Description

PBT/ASA 7015-104X is a 15% glass fiber reinforced low warpage injection molding grade.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 15% 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	1.32	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 0.0630 in	0.70 to 1.3	%	
Flow : 0.0630 in	0.10 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	812000	psi	ISO 527-1
Tensile Stress	13800	psi	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	653000	psi	ISO 178
Flexural Stress	18900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.1	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)	2.9	ft·lb/in ²	ISO 180
Unnotched Izod Impact Strength (73°F)	17	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	320	°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)	640	V/mil	IEC 60243-1
Arc Resistance	90.0	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Middle Temperature	464 to 518	°F
Nozzle Temperature	482 to 518	°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

