

LONGLITE® PBT 3020-226UB

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

General Information
Product Description

PBT 3020-226UB is a glass fiber/mineral reinforced injection molding grade.

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber\Mineral
Additive	• Mold Release
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.20 to 0.60	%	
Flow	0.90 to 1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	16700	psi	ISO 527-2
Tensile Strain (Break)	2.7	%	ISO 527-2
Flexural Modulus	928000	psi	ISO 178
Flexural Stress	23900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.2	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
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+16	ohms·cm	IEC 60093

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	491 to 527	°F
Mold Temperature	104 to 176	°F

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

² 10°C/min
