

PBT 3020-104

PBT-GF20

ChangChun Group

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.015	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	98.1	MPa	ASTM D 638
Flexural Modulus	5886	MPa	ASTM D 790
Flexural Strength	157	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Izod Impact notched, 1/4 in	51.9	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	45	E-6/K	ASTM D 696
DTUL @ 66 psi	220	°C	ASTM D 648
DTUL @ 264 psi	200	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.001	-	ASTM D 150
Dielectric Constant, 60 Hz	3.5	-	ASTM D 150
Surface Resistivity	1E13	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	100	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.04	%	ASTM D 570
Density	1440	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

Low Warpage

Chemical Resistance

Solvent Resistance, Oil Resistance

Applications

Automotive, Electrical and Electronical

Regional Availability

Asia Pacific