



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
Density, 73°F	1440	kg/m³	ASTM D 792
Water Absorption, 24hr	0.04	%	ASTM D 570
Mechanical properties	Value	Unit	Test Standard
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	0.0519	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
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	Value	Unit	Test Standard
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
Characteristics			
Processing	Chemical Resistance		
Injection Molding	Solvent Resistance, Oil Resistance		
Special Characteristics	Applications		
U.V. stabilized or stable to weather, Heat stabilized or stable to heatAutomotive, Electrical and Electronical			
to heat			
Features			
Low Warpage			