



PBT 3030-104			
PBT-GF30			ChangChun Group
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.011	mm/mm	ASTM D 955
Density, 73°F	1510	kg/m³	ASTM D 792
Water Absorption, 24hr	0.04	%	ASTM D 570
Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	118	MPa	ASTM D 638
Flexural Modulus	7848.01	MPa	ASTM D 790
Flexural Strength	182	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Izod Impact notched, 1/4 in	0.0801	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	30	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			