



PBT 5130-104			
PBT-GF30			ChangChun Group
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.011	mm/mm	ASTM D 955
Density, 73°F	1540	kg/m³	ASTM D 792
Water Absorption, 24hr	0.03	%	ASTM D 570
Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	108	MPa	ASTM D 638
Flexural Modulus	8632.77	MPa	ASTM D 790
Flexural Strength	177	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Izod Impact notched, 1/4 in	0.066	kJ/m	ASTM D 256
Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	30	E-6/K	ASTM D 696
DTUL @ 66 psi	210	°C	ASTM D 648
DTUL @ 264 psi	195	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	212	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.01	-	ASTM D 150
Dielectric Constant, 60 Hz	3.2	-	ASTM D 150
Surface Resistivity	1E12	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	110	s	ASTM D 495
Characteristics			
Processing		Chemical Resistance	
Injection Molding		Solvent Resistance, Oil Resistance	
Delivery form		Applications	
Black		Electrical and Electronical	
Special Characteristics			
Flame retardant, U.V. stabilized or stable to weather, Heat stabilized or stable to heat			