



PBT 4140-201D			
PBT-GF40		ChangChun Group	
Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.01	mm/mm	ASTM D 955
Density, 73°F	1750	kg/m ³	ASTM D 792
Water Absorption, 24hr	0.03	%	ASTM D 570
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength	132	MPa	ASTM D 638
Flexural Modulus	10791	MPa	ASTM D 790
Flexural Strength	177	MPa	ASTM D 790
Rockwell Hardness	M 95	-	ASTM D 785
Izod Impact notched, 1/4 in	0.0943	kJ/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
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	190	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
Electrical properties			
ASTM Data	Value	Unit	Test Standard
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	90	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 heat		Electrical and Electronical	