

PBT 2000-104D**PBT****ChangChun Group****Processing/Physical Characteristics** **Value** **Unit** **Test Standard****ASTM Data**

Mold Shrinkage, MD	0.0135	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0165	mm/mm	ASTM D 955
Density, 73°F	1440	kg/m ³	ASTM D 792
Water Absorption, 24hr	0.05	%	ASTM D 570

Mechanical properties **Value** **Unit** **Test Standard****ASTM Data**

Tensile Strength	54	MPa	ASTM D 638
Flexural Modulus	2452.5	MPa	ASTM D 790
Flexural Strength	88.3	MPa	ASTM D 790
Rockwell Hardness	M 80	-	ASTM D 785
Izod Impact notched, 1/4 in	0.0283	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	90	E-6/K	ASTM D 696
DTUL @ 66 psi	165	°C	ASTM D 648
DTUL @ 264 psi	65	°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	3.3	-	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**

Injection Molding

Chemical Resistance

Solvent Resistance, Oil Resistance

Special Characteristics

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