



<b>PBT 4115-104D</b>			
<b>PBT-GF15</b>		ChangChun Group	
<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.017	mm/mm	ASTM D 955
Density, 73°F	1530	kg/m <sup>3</sup>	ASTM D 792
Water Absorption, 24hr	0.03	%	ASTM D 570
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength	93.2	MPa	ASTM D 638
Flexural Modulus	5395.5	MPa	ASTM D 790
Flexural Strength	137	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Izod Impact notched, 1/4 in	0.0566	kJ/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	50	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
<b>Electrical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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
<b>Characteristics</b>			
<b>Processing</b>		<b>Chemical Resistance</b>	
Injection Molding		Solvent Resistance, Oil Resistance	
<b>Special Characteristics</b>		<b>Applications</b>	
U.V. stabilized or stable to weather, Heat stabilized or stable to heat		Electrical and Electronical	