

<b>PBT-5115</b>			
PBT-GF15			
ChangChun Group			
<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0105	mm/mm	ASTM D 955
Density, 73°F	1430	kg/m <sup>3</sup>	ASTM D 792
Water Absorption, 24hr	0.03	%	ASTM D 570
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	88	MPa	ASTM D 638
Flexural Modulus	4905	MPa	ASTM D 790
Flexural Strength	142	MPa	ASTM D 790
Rockwell Hardness	M 87	-	ASTM D 785
Izod Impact notched, 1/4 in	0.0519	kJ/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</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	205	°C	ASTM D 648
DTUL @ 264 psi	185	°C	ASTM D 648
Melting Temperature	225	°C	ASTM D 3418
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.01	-	ASTM D 150
Dielectric Constant, 60 Hz	3	-	ASTM D 150
Surface Resistivity	1E13	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	120	s	ASTM D 495
<b>Characteristics</b>			
<b>Delivery form</b>		<b>Special Characteristics</b>	
Pellets		Flame retardant	