

**PBT-5115**

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	<b>0.003</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.0105</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>88</b>	MPa	ASTM D 638
Flexural Modulus	<b>4905</b>	MPa	ASTM D 790
Flexural Strength	<b>142</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M 87</b>	-	ASTM D 785
Izod Impact notched, 1/4 in	<b>51.9</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>0.8</b>	mm	-
Coefficient of Thermal Expansion, MD	<b>50</b>	E-6/K	ASTM D 696
DTUL @ 66 psi	<b>205</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>185</b>	°C	ASTM D 648
Melting Temperature	<b>225</b>	°C	ASTM D 3418
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>19</b>	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	<b>0.01</b>	-	ASTM D 150
Dielectric Constant, 60 Hz	<b>3</b>	-	ASTM D 150
Surface Resistivity	<b>1E13</b>	Ohm	ASTM D 257
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
Arc Resistance	<b>120</b>	s	ASTM D 495
<b>Other properties</b>			
Water Absorption, 24hr	<b>0.03</b>	%	ASTM D 570
Density	<b>1430</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Delivery form**

Pellets

**Regional Availability**

Asia Pacific

**Special Characteristics**

Flame retardant