

**PBT 4115-104D**

PBT-GF15

ChangChun Group

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0045</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.017</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>93.2</b>	MPa	ASTM D 638
Flexural Modulus	<b>5395</b>	MPa	ASTM D 790
Flexural Strength	<b>137</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M 90</b>	-	ASTM D 785
Izod Impact notched, 1/4 in	<b>56.6</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>220</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>200</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>20</b>	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	<b>0.001</b>	-	ASTM D 150
Dielectric Constant, 60 Hz	<b>3.5</b>	-	ASTM D 150
Surface Resistivity	<b>1E13</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1E15</b>	Ohm*cm	ASTM D 257
Arc Resistance	<b>90</b>	s	ASTM D 495
<b>Other properties</b>			
Water Absorption, 24hr	<b>0.03</b>	%	ASTM D 570
Density	<b>1530</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

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

**Chemical Resistance**

Solvent Resistance, Oil Resistance

**Applications**

Electrical and Electronical

**Regional Availability**

Asia Pacific