

**PBT-6730**

PBT-GF30

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>0.002</b>    | mm/mm             | ASTM D 955           |
| Mold Shrinkage, TD                         | <b>0.0045</b>   | mm/mm             | ASTM D 955           |
| <b>Mechanical properties</b>               |                 |                   |                      |
| <b>ASTM Data</b>                           |                 |                   |                      |
| Tensile Strength                           | <b>105</b>      | MPa               | ASTM D 638           |
| Flexural Modulus                           | <b>7358</b>     | MPa               | ASTM D 790           |
| Flexural Strength                          | <b>159</b>      | MPa               | ASTM D 790           |
| Rockwell Hardness                          | <b>M 87</b>     | -                 | ASTM D 785           |
| Izod Impact notched, 1/4 in                | <b>75.4</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>25</b>       | E-6/K             | ASTM D 696           |
| DTUL @ 66 psi                              | <b>200</b>      | °C                | ASTM D 648           |
| DTUL @ 264 psi                             | <b>140</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>&gt;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>1600</b>     | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Delivery form**

Pellets

**Features**

Low Warpage

**Special Characteristics**

Flame retardant

**Regional Availability**

Asia Pacific