

**PRL TP-IGFR-G30**

PBT-GF30

Polymer Resources, Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>10</b>	g/10min	ASTM D 1238
Temperature	<b>250</b>	°C	-
Load	<b>2.16</b>	kg	-
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>110</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>110</b>	MPa	ASTM D 638
Flexural Modulus	<b>6895</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>80.1</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>1.5</b>	mm	-
DTUL @ 66 psi	<b>199</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>157</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	<b>212</b>	-	IEC 60112
<b>Other properties</b>			
Density	<b>1570</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>116 - 121</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>232 - 260</b>	°C	-
Mold temperature	<b>71.1 - 87.8</b>	°C	-
Zone 1	<b>238 - 254</b>	°C	-
Zone 2	<b>243 - 260</b>	°C	-
Zone 3	<b>249 - 266</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Flame retarding agent

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Features**

Low Warpage

**Regional Availability**

North America