

**PRL TP-G15**

PBT-GF15

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.008	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	93.1	MPa	ASTM D 638
Tensile Strength at Break	93.1	MPa	ASTM D 638
Flexural Modulus	4826	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
DTUL @ 66 psi	204	°C	ASTM D 648
DTUL @ 264 psi	188	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1400	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	116 - 121	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	232 - 260	°C	-
Mold temperature	71.1 - 87.8	°C	-
Zone 1	238 - 254	°C	-
Zone 2	243 - 260	°C	-
Zone 3	249 - 266	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Pellets

**Regional Availability**

North America