

PRL PC/TP-GP3-G30

(PC+Polyester)-GF30

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4.5	g/10min	ASTM D 1238
Temperature	265	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	89.6	MPa	ASTM D 638
Tensile Strength at Break	89.6	MPa	ASTM D 638
Flexural Modulus	5343	MPa	ASTM D 790
Flexural Strength	134	MPa	ASTM D 790
Izod Impact notched, 1/8 in	144	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	199	°C	ASTM D 648
DTUL @ 264 psi	143	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1440	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	107 - 113	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	260 - 288	°C	-
Mold temperature	65.6 - 93.3	°C	-
Zone 1	249 - 271	°C	-
Zone 2	254 - 277	°C	-
Zone 3	260 - 282	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Chemical Resistance

General Chemical Resistance

Regional Availability

North America