

PRL PC/TP-GP2-G20

(PC+Polyester)-GF20

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	7.5	g/10min	ASTM D 1238
Temperature	265	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	72.4	MPa	ASTM D 638
Tensile Strength at Break	72.4	MPa	ASTM D 638
Flexural Modulus	4688	MPa	ASTM D 790
Flexural Strength	121	MPa	ASTM D 790
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	116	°C	ASTM D 648
DTUL @ 264 psi	110	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1350	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	104 - 110	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	260 - 288	°C	-
Mold temperature	65.6 - 87.8	°C	-
Zone 1	263 - 285	°C	-
Zone 2	268 - 291	°C	-
Zone 3	274 - 296	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Chemical Resistance

General Chemical Resistance

Regional Availability

North America