

PRL PC/TP-GP3

(PC+Polyester)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	265	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0155	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	46.2	MPa	ASTM D 638
Tensile Strength at Break	44.1	MPa	ASTM D 638
Flexural Modulus	1793	MPa	ASTM D 790
Izod Impact notched, 1/8 in	801	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	480	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	116	°C	ASTM D 648
DTUL @ 264 psi	76.7	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1240	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	238 - 260	°C	-
Mold temperature	48.9 - 82.2	°C	-
Zone 1	227 - 243	°C	-
Zone 2	232 - 249	°C	-
Zone 3	238 - 260	°C	-

Characteristics**Processing**

Injection Molding

Chemical Resistance

General Chemical Resistance

Delivery form

Pellets

Applications

General Purpose

Special Characteristics

High impact or impact modified

Regional Availability

North America