

PRL PC/ABS-GP1

(PC+ABS)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8.5	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	57.9	MPa	ASTM D 638
Tensile Strength at Break	56.5	MPa	ASTM D 638
Flexural Modulus	2275	MPa	ASTM D 790
Flexural Strength	86.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	534	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	121	°C	ASTM D 648
DTUL @ 264 psi	107	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1150	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	76.7 - 82.2	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	274 - 302	°C	-
Mold temperature	71.1 - 93.3	°C	-
Zone 1	249 - 288	°C	-
Zone 2	254 - 293	°C	-
Zone 3	260 - 302	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Applications

General Purpose

Regional Availability

North America