

**PRL PC/TP-GP2**

(PC+Polyester)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	9	g/10min	ASTM D 1238
Temperature	265	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0075	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0085	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	57.9	MPa	ASTM D 638
Tensile Strength at Break	56.5	MPa	ASTM D 638
Elongation at Break	120	%	ASTM D 638
Flexural Modulus	2068	MPa	ASTM D 790
Flexural Strength	89.6	MPa	ASTM D 790
Izod Impact notched, 1/8 in	854	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	534	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	98.9	°C	ASTM D 648
DTUL @ 264 psi	93.3	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1220	kg/m <sup>3</sup>	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	246 - 274	°C	-
Mold temperature	65.6 - 87.8	°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