

PRL PC-HH

PC

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3.5	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	66.2	MPa	ASTM D 638
Tensile Strength at Break	74.5	MPa	ASTM D 638
Flexural Modulus	2137	MPa	ASTM D 790
Flexural Strength	96.5	MPa	ASTM D 790
Izod Impact notched, 1/8 in	374	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	154	°C	ASTM D 648
DTUL @ 264 psi	146	°C	ASTM D 648
Other properties			
Density	1190	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	121 - 129	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	316 - 343	°C	-
Mold temperature	76.7 - 98.9	°C	-
Zone 1	299 - 338	°C	-
Zone 2	299 - 338	°C	-
Zone 3	327 - 371	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

North America