

PRL PC-G40

PC-GF40

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	6	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	165	MPa	ASTM D 638
Tensile Strength at Break	165	MPa	ASTM D 638
Flexural Modulus	9653	MPa	ASTM D 790
Flexural Strength	186	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	152	°C	ASTM D 648
DTUL @ 264 psi	146	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	118 - 124	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	302 - 329	°C	-
Mold temperature	82.2 - 116	°C	-
Zone 1	293 - 316	°C	-
Zone 2	304 - 327	°C	-
Zone 3	316 - 338	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Delivery form

Pellets

Regional Availability

North America