

PRL PC-G30-(color)-1

PC-GF30

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	7.5	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	124	MPa	ASTM D 638
Tensile Strength at Break	124	MPa	ASTM D 638
Flexural Modulus	6895	MPa	ASTM D 790
Flexural Strength	152	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.7	mm	-
DTUL @ 66 psi	152	°C	ASTM D 648
DTUL @ 264 psi	146	°C	ASTM D 648
Other properties			
Density	1430	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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

Additives

Release agent

Delivery form

Pellets

Regional Availability

North America