

# PRL PC/TP-GP3-G30

Polycarbonate + Polyester

Polymer Resources Ltd.

Message:

PRL PC/TP-GP3-G30 is a Polycarbonate + Polyester (PC+Polyester) product filled with 30% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

RoHS Compliant

Chemical Resistant

Impact Modified

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Impact Modifier		
Features	Good Chemical Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/2.16 kg)	1.0 to 8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	89.6	MPa	
Break, 3.18 mm	89.6	MPa	
Flexural Modulus (3.18 mm)	5340	MPa	ASTM D790
Flexural Strength (3.18 mm)	134	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	199	°C	
1.8 MPa, Unannealed, 3.18 mm	143	°C	
Injection	Nominal Value	Unit	
Drying Temperature	107 to 113	°C	
Drying Time	4.0 to 6.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	249 to 271	°C	
Middle Temperature	254 to 277	°C	
Front Temperature	260 to 282	°C	

Processing (Melt) Temp	260 to 288	°C
Mold Temperature	65.6 to 93.3	°C

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

