

PRL PC/TP-GP2-G20

Polycarbonate + Polyester
Polymer Resources Ltd.

Message:

PRL PC/TP-GP2-G20 is a Polycarbonate + Polyester (PC+Polyester) product filled with 20% 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,20% 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	1.35	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/2.16 kg)	5.0 to 10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	72.4	MPa	
Break, 3.18 mm	72.4	MPa	
Flexural Modulus (3.18 mm)	4690	MPa	ASTM D790
Flexural Strength (3.18 mm)	121	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	116	°C	
1.8 MPa, Unannealed, 3.18 mm	110	°C	
Injection	Nominal Value	Unit	
Drying Temperature	104 to 110	°C	
Drying Time	4.0 to 6.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	263 to 285	°C	
Middle Temperature	268 to 291	°C	
Front Temperature	274 to 296	°C	

Processing (Melt) Temp	260 to 288	°C
Mold Temperature	65.6 to 87.8	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

