

RC Plastics RCPC 8 FR GF 10

Polycarbonate

RC Plastics, Inc. (Div. of LNP Engineering Plastics)

Message:

RC Plastics RCPC 8 FR GF 10 is a Polycarbonate (PC) product filled with 10% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Eco-Friendly/Green

Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Recycled Content	Yes		
Features	Flame Retardant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	51.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3380	MPa	ASTM D790
Flexural Strength	102	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	142	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	V-0		
3.18 mm	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Rear Temperature	293 to 332	°C	
Middle Temperature	293 to 332	°C	
Front Temperature	293 to 332	°C	

Processing (Melt) Temp	304 to 327	°C
Mold Temperature	79.4 to 107	°C
Injection Rate	Fast	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	45 to 75	rpm

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

