

LTL Color Compounds ColorFast® PCGF110 Polycarbonate, 10% Glass-Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

High modulus 10% glass-filled polycarbonate, V2-rated, general purpose All information provided by LTL Color Compounds, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorFast-PCGF110-Polycarbonate-10-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	0.125; ASTM D955
Melt Flow	9.0 g/10 min @Load 1.20 kg, Temperature 300 Â°C	9.0 g/10 min @Load 2.65 lb, Temperature 572 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	85	85	ASTM D785
Tensile Strength at Break	55.2 MPa	8000 psi	2.0 in/min; ASTM D638
Tensile Strength, Yield	66.2 MPa	9600 psi	2.0 in/min; ASTM D638
Elongation at Break	15 %	15 %	2.0 in/min; ASTM D638
Flexural Strength	103 MPa	15000 psi	2.0 in/min; ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	2.0 in/min; ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 22.8 Â°C	2.00 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	142 Â°C	288 Â°F	Unannealed (0.250"); ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	288 - 310 Â°C	550 - 590 Â°F	
Middle Barrel Temperature	299 - 321 Â°C	570 - 610 Â°F	
Front Barrel Temperature	310 - 332 Â°C	590 - 630 Â°F	
Nozzle Temperature	304 - 327 Â°C	580 - 620 Â°F	

Processing Properties	Metric32 Â°C	English10 Â°F	Comments
Mold Temperature	82.2 - 116 Â°C	180 - 240 Â°F	
Drying Temperature	121 Â°C	250 Â°F	
Dry Time	3 - 4 hour	3 - 4 hour	nominal; maximum drying time of 48 hours
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	
Shot Size	40 - 60 %	40 - 60 %	
Vent Depth	0.00254 - 0.00762 cm	0.00100 - 0.00300 in	
Screw Speed	40 - 70 rpm	40 - 70 rpm	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China