EnCom GF10 PC

Polycarbonate

EnCom, Inc.

Message:

10 % Glass Filled PC

General Information	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight
Uses	Automotive Applications Business Equipment Thin-walled Parts
Appearance	Black Colors Available Natural Color
Forms	Pellets
Processing Method	Injection Molding Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.50	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength (Yield)	65.5	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength (Yield)	100	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	135	°C	ASTM D648
Flammability	**Nominal Value**		**Test Method**
Flame Rating (3.18 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	104 to 121	°C	
Drying Time	4.0	hr	
Drying Time, Maximum	7.0	hr	

Suggested Max Moisture	0.020	%
Suggested Shot Size	40 to 75	%
Rear Temperature	271 to 293	°C
Middle Temperature	282 to 304	°C
Front Temperature	288 to 316	°C
Nozzle Temperature	288 to 310	°C
Processing (Melt) Temp	293 to 316	°C
Mold Temperature	71.1 to 98.9	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	30 to 70	rpm
Vent Depth	0.038 to 0.076	mm

Recommended distributors for this material

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