

BESTPOLUX PCG2

Polycarbonate

Triesa Plastics

Message:

Polycarbonate lubrified with 10% glass fibre reinforcement.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Lubricant		
Features	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage	0.35	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.12	%	ISO 62
Humidity - Pellets	0.20	%	ISO 1110
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2
Tensile Stress	80.0	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
-40°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	145	°C	ISO 75-2/A
Vicat Softening Temperature	> 145	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+15	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	260 to 280	°C	

Mold Temperature	80.0 to 90.0	°C
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