

BESTPOLUX PC02

Polycarbonate
Triesa Plastics

Message:

PC black Standard lubrified with heat stabilized to gain improvements in injection and moulding, is a generic use PC.

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	General Purpose		
	Heat Stabilized		
	Lubricated		
Uses	General Purpose		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	15	g/10 min	ISO 1133
Molding Shrinkage	0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.24	%	ISO 62
Humidity - Pellets	0.20	%	ISO 1110
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress	64.0	MPa	ISO 527-2
Tensile Strain (Break)	> 80	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	19	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	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	135	°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

Electric Strength	18	kV/mm	IEC 60243-1
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating	HB		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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