

BESTPOLUX PCAHC/02

Polycarbonate + ABS

Triesa Plastics

Message:

PC/ABS black Standard lubrified with heat stabilized. to achieve improvements in injection process and moulding.

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Heat Stabilized		
	Lubricated		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	28	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Humidity - Pellets	0.20	%	ISO 1110
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2150	MPa	ISO 527-2
Tensile Stress	50.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	45	kJ/m ²	ISO 180
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	120	°C	ISO 75-2/B
1.8 MPa, Unannealed	105	°C	ISO 75-2/A
Vicat Softening Temperature	128	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+16	ohms	IEC 60093
Electric Strength	35	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302

Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	245 to 265	°C
Mold Temperature	60.0 to 80.0	°C

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