

BESTPOLUX PCA85

Polycarbonate + ABS

Triesa Plastics

Message:

PC/ABS lubricated to achieve improvements in injection process and moulding.

General Information			
Additive	Lubricant		
Features	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	20	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	2500	MPa	ISO 527-2
Tensile Stress	55.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	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	127	°C	ISO 75-2/B
1.8 MPa, Unannealed	108	°C	ISO 75-2/A
Vicat Softening Temperature	130	°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 3.0	hr	
Processing (Melt) Temp	245 to 255	°C	

Mold Temperature	60.0 to 80.0	°C
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