

BESTPOLUX PCA85/01

Polycarbonate + ABS

Triesa Plastics

Message:

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

General Information			
Additive	Lubricant		
Features	Impact resistance, high		
	Lubrication		
	General		
Uses	General		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	45	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	127	°C	ISO 75-2/B
1.8 MPa, not annealed	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
Dielectric Strength	35	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information			
Humidity Pellets, ISO 1110: 0.2%Flammability Speed, FMV 302:<100 mm/min			

Injection	Nominal Value	Unit
Drying Temperature	100	°C
Drying Time	2.0 - 3.0	hr
Processing (Melt) Temp	245 - 265	°C
Mold Temperature	60.0 - 80.0	°C

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