

BESTPOLUX PCA-02

Polycarbonate + ABS

Triesa Plastics

Message:

PC/ABS natural lubricated with VICAT 125°C to achieve improvements in injection process and moulding. Is an appropriate PC/ABS for any injection technique and general applications.

General Information			
Additive	Lubricant		
Features	Lubrication		
	General		
Uses	General		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR)	20.0	cm ³ /10min	ISO 1133
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)	52.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	40	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	120	°C	ISO 75-2/B
1.8 MPa, not annealed	100	°C	ISO 75-2/A
Vicat Softening Temperature	125	°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	120	°C
Drying Time	2.0 - 4.0	hr
Processing (Melt) Temp	245 - 265	°C
Mold Temperature	60.0 - 80.0	°C

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