

BESTPOLUX PCU/01

Polycarbonate
Triesa Plastics

Message:
Polycarbonate, Standard Grade, Low Viscosity, Lubricated and UV Stabilized for Injection Molding Grade

General Information			
Additive	Lubricant		
	UV Stabilizer		
Features	Low Viscosity		
	Lubricated		
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)	19	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	2300	MPa	ISO 527-2
Tensile Stress	66.0	MPa	ISO 527-2
Tensile Strain (Break)	> 90	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	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	V-2		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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

