

BESTPOLUX PCTM-1

Polycarbonate + PET

Triesa Plastics

Message:

PC/PETnatural lubrifid with impact modified to gain improvements in injection and moulding generally used for pieces in conjunction with improved dimesional stability, better impact and good final surface with good HDT temperature for general industry.

General Information			
Additive	Impact Modifier		
	Lubricant		
Features	General Purpose		
	Good Dimensional Stability		
	Good Surface Finish		
	Impact Modified		
	Lubricated		
Uses	General Purpose		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	15	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	2100	MPa	ISO 527-2
Tensile Stress	59.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	60	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, Unannealed	132	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A
Vicat Softening Temperature	135	°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	260 to 275	°C	
Mold Temperature	80.0	°C	

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