

PolyOne LubriOne™ PC-000/15T-S2 NATURAL Polycarbonate (PC)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-LubriOne-PC-00015T-S2-NATURAL-Polycarbonate-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.3 MPa	7010 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.41 GPa	350 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 ksi	ASTM D790
Izod Impact, Notched	1.00 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	1.87 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 °C @Thickness 6.35 mm	250 °F @Thickness 0.250 in	Annealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	288 - 316 °C	550 - 601 °F	
Mold Temperature	87.8 - 121 °C	190 - 250 °F	
Drying Temperature	121 °C	250 °F	
Dry Time	4.00 hour	4.00 hour	

Descriptive Properties	Value	Comments
Features	Lubricated	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	PC	
Generic Name	Polycarbonate (PC)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	South America	
Uses	Appliance Components	
	Conveyor Parts	
	Printer Parts	

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