

Kingfa LONoy 2100 LT PC/PET Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Features:Excellent balance propertiesGood weather resistanceGood size stabilitySmooth surfaceUniform colorApplications:Injection moldingAutomobile bumperAutomobile interior/exterior trim partsBusiness machine cabinetLarge partsInformation Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-LONoy-2100-LT-PCPET-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc @Temperature 23.0 Â°C	1.21 g/cc @Temperature 73.4 Â°F	ASTM D792
Water Absorption	0.12 % @Temperature 23.0 Â°C, Time 86400 sec	0.12 % @Temperature 73.4 Â°F, Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.0080 - 0.010 cm/cm @Temperature 23.0 Â°C	0.0080 - 0.010 in/in @Temperature 73.4 Â°F	ASTM D955
Melt Flow	35 g/10 min @Load 5.00 kg, Temperature 260 Â°C	35 g/10 min @Load 11.0 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength at Break	55.0 MPa	7980 psi	50mm/min; ASTM D638
Elongation at Break	>= 80 %	>= 80 %	50mm/min; ASTM D638
Flexural Strength	80.0 MPa	11600 psi	2mm/min; ASTM D790
Flexural Modulus	2.40 GPa	348 ksi	2mm/min; ASTM D790
Izod Impact, Notched	>= 4.50 J/cm @Thickness 3.20 mm, Temperature -30.0 Â°C	>= 8.43 ft-lb/in @Thickness 0.126 in, Temperature -22.0 Â°F	ASTM D256
	>= 6.00 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	>= 11.2 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	136 Å°C @Thickness 6.40 mm	277 Å°F @Thickness 0.252 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	105 Å°C @Thickness 6.40 mm	221 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	ASTM D257
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
Dielectric Strength	28.0 kV/mm	711 kV/in	1.6mm; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 280 Å°C	<= 536 Å°F	
Rear Barrel Temperature	230 - 260 Å°C	446 - 500 Å°F	Start Point: 250Å°C
Middle Barrel Temperature	240 - 270 Å°C	464 - 518 Å°F	Start Point: 255Å°C
Front Barrel Temperature	240 - 270 Å°C	464 - 518 Å°F	Start Point: 260Å°C
Melt Temperature	240 - 270 Å°C	464 - 518 Å°F	Start Point: 260Å°C
Mold Temperature	70.0 - 90.0 Å°C	158 - 194 Å°F	Start Point: 80Å°C
Drying Temperature	110 Å°C @Time 10800 - 14400 sec	230 Å°F @Time 3.00 - 4.00 hour	Pre-dry
Back Pressure	0.300 - 0.700 MPa	43.5 - 102 psi	

Descriptive Properties	Value	Comments
Injection Speed	60-100%	

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