

LTL Color Compounds ColorRx[®],ç PC-1005ARX Biocompatible Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

A biocompatible, 10 melt grade of Polycarbonate for healthcare applications, containing a high level of antimicrobial protection for FDA regulated medical devices. All information provided by LTL Color Compounders, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorRx-PC-1005ARX-Biocompatible-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Water Absorption	0.12 %	0.12 %	@ 24 Hours, 73 [°] F; ASTM D570
Linear Mold Shrinkage	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	ASTM D955
Melt Flow	10 - 13 g/10 min @Load 1.20 kg, Temperature 300 [°] C	10 - 13 g/10 min @Load 2.65 lb, Temperature 572 [°] F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	70	70	ASTM D785
Tensile Strength, Yield	64.1 MPa	9300 psi	ASTM D638
Elongation at Break	112 %	112 %	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Notched	8.54 J/cm @Temperature 22.8 [°] C	16.0 ft-lb/in @Temperature 73.0 [°] F	0.125"; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	132 [°] C	270 [°] F	Unannealed (0.250"); ASTM D648

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