

## LTL Color Compounds ColorRx<sup>®</sup>,<sup>ç</sup> PC-1000RX Biocompatible Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

**Material Notes:**

A biocompatible, 10 melt grade of Polycarbonate for healthcare applications. 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-1000RX-Biocompatible-Polycarbonate.php](http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorRx-PC-1000RX-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 <sup>°</sup> 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 <sup>°</sup> C	10 - 13 g/10 min @Load 2.65 lb, Temperature 572 <sup>°</sup> 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 <sup>°</sup> C	16.0 ft-lb/in @Temperature 73.0 <sup>°</sup> F	0.125"; ASTM D256

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

### Contact Songhan Plastic Technology Co.,Ltd.

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