

## Product Data Sheet

**Grade:** ColorRx™ PBT-2000RX

3/2/10

A biocompatible<sup>i</sup>, unreinforced, high molecular weight PBT for healthcare applications<sup>ii</sup>.

### Properties

Physical	Test Method	Typical Values, Units
Specific Gravity	ASTM D792	1.31
Melt Flow Rate (250C/2.16 kg)	ASTM D1238	24 g/10min
Mold Shrinkage	ASTM D955	1.8 – 2.0 %
Water Absorption, 73F, to satur.	ASTM D570	0.45 %
Mechanical	Test Method	Typical Values, Units
Tensile Strength @ Yield	ASTM D638	8600 psi
Elongation @ Yield	ASTM D638	4 %
Elongation @ Break	ASTM D638	> 50 %
Flexural Modulus	ASTM D790	360,000 psi
Izod Impact Strength, notched 0.125", 73 F	ASTM D256	2.3 ft-lb/in
Thermal	Test Method	Typical Values, Units
DTUL, 264 psi Unannealed, 0.25"	ASTM D648	129 °F

The values shown are typical values that have been obtained using test bars molded from laboratory samples and are not intended for specification purposes. These values are for natural colors only. Addition of pigments may alter some values. Inasmuch as LTL Color Compounds, Inc. has no

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[i] All ingredients used in this product have passed testing for biocompatibility according to either USP Class VI or ISO 10993-1 testing protocols.

[ii] All ingredients used in this product have been tested by the manufacturers for biocompatibility. LTL Color Compounders, Inc. (LTL) uses only USP Class VI or ISO 10993 compliant ingredients in the compounding of ColorRx™ resins intended for healthcare applications that require biocompatibility. LTL has not had compounded ColorRx™ resins tested for suitability in articles or devices that will come in contact with the human body. ColorRx™ resins are not designed for nor are they promoted for or intended to be used in devices which are to be implanted in or come in contact with the human body, its tissues, or fluids for periods exceeding 30 days, or which are critical components of medical devices that support or sustain human life. It is solely the responsibility of the finished product or device manufacturer to determine the acceptability of ColorRx™ resins in all applications involving contact with the human body, its tissues, or fluids. **LTL COLOR COMPOUNDERS, INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY LTL COLORRX™ PRODUCTS FOR USE IN MEDICAL APPLICATIONS, AND LTL COLOR COMPOUNDERS, INC. DISCLAIMS ANY AND ALL LIABILITY FOR LOSSES OR DAMAGES THAT MAY RESULT FROM THE USE OF COLORRX™ RESINS IN SUCH BODY CONTACT APPLICATIONS.**

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