ColorRx™ Medical Grade Compounds

Product Data Sheet 7/3/12

Grade: ColorRx® PEI-1600RX

A biocompatible[i], Polyether Imide with high flow for healthcare applications[ii].

Physical	**Test Method**	**Typical Values, Units**
Specific Gravity	ASTM D792	1.36 g/cm^3
Molding Shrinkage	ASTM D1238	.0050 to .0070 in/in
Melt Flow Rate (6.6 kg 337C)	ASTM D1238	16 g/10min
Water Absorption 73F, Saturation	ASTM D570	1.2%
Mechanical	**Test Method**	**Typical Values, Units**
Tensile Strength @ Yield	ASTM D638	15900 psi
Tensile Strength @ Break	ASTM D638	12200 psi
Elongation @ Yield	ASTM D638	7.0%
Elongation @ Break	ASTM D638	70%
Flexural Modulus	ASTM D790	495000 psi
Flexural Strength	ASTM D790	25000 psi
Notched Izod Impact	ASTM D256	1 ft-lb/in
Thermal	**Test Method**	**Typical Values, Units**
DTUL 264 psi Unannealed, .252 in	ASTM D648	390F

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 Compounders, Inc. has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any LTL Color Compounders, Inc. patent covering such use or as recommendations for use of such materials in the infringement of any patent. The information, data, or suggestions are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a particular material for a particular purpose. LTL Color Compounders, Inc. makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. Such information, data or suggestions are to be used and relied upon at user's own discretion and risk. **LTL COLOR COMPOUNDERS, INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ANY AND ALL DIRECT AND INDIRECT LIABILITY FOR DAMAGES OR LOSSES RESULTING FROM OR RELATING TO THE USE OF ANY INFORMATION, SUGGESTION, DATA, OR MATERIALS DESCRIBED HEREIN. ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**

[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] 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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