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Product Data Sheet

**Product** NY5-1000RX

**ColorRx®**

Biocompatible, transparent nylon 12 for healthcare applications.

<b>PHYSICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	5/8/2013
Specific Gravity	ISO 1183	1.00 g/cm <sup>3</sup>	
Molding Shrinkage	WITH FLOW	.70% g/10 min	
	ACROSS FLOW	.80% in/in	
Water Absorption Saturation, 73F	ISO 62	3.0 %	
<b>IMPACT</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
		ft-lb/in	
		ft-lb/in	
<b>MECHANICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Tensile Strength @ Yield**	ISO 527-2	8600 psi	
		psi	
Elongation At Yield	ISO 527-2	6 %	
		%	
Tensile Modulus	ISO 527-2	230,000 psi	
		psi	
<b>HARDNESS</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
<b>THERMAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
DTUL @ 264 psi Unannealed	ISO 75-2/A	237 °F	
<b>IGNITION CHARACTERISTICS</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	

\* % elongation values are calculated from the elongation of the entire bar at 2.0 in/min

\*\* Tensile strength values are calculated at 2.0 in/min

\*\*\* Flexural data is calculated at 2.0 in/min

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 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 test 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 patent covering such use or as recommendations for use of such materials in the infringement of any patent. These are developmental products with estimated physical property profiles. Actual values will need to be determined upon production of material.

