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Product Data Sheet

**Product** FRPC-1000NB

**ColorRx®**

Flame retarded Polycarbonate, UL V0 rated, designed for use in medical equipment enclosures such as monitoring & imaging devices where body contact is **not** an issue.

<b>PHYSICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	7/3/2012
Specific Gravity	ASTM D792	1.21 g/cm <sup>3</sup>	
Melt Flow Rate	ASTM D1238	11 g/10 min	
Mold Shrinkage Linear Flow (0.125)	ASTM D955	.005 - .007 in/in	
Water Absorption @ 24 hrs		%	
<b>IMPACT</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Izod Impact Strength Notched (73 F) (-22 F)	ASTM D256	12 ft-lb/in ft-lb/in	
<b>MECHANICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Tensile Strength @ Yield**	ASTM D638	9000 psi	
Tensile Strength @ Break**	ASTM D638	8000 psi	
Elongation @ Yield*	ASTM D638	7.0 %	
Elongation @ Break*	ASTM D638	90 %	
Flexural Strength***	ASTM D790	13,200 psi	
Flexural Modulus***	ASTM D790	325,000 psi	
<b>HARDNESS</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Hardness M Scale	ASTM D785	70	
<b>THERMAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
DTUL @ 264 psi Unannealed, .250"	ASTM D648	270 °F	
<b>IGNITION CHARACTERISTICS</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
UL File Number		E178307	
Flame Rating - UL (3.0 mm) (1.5 mm)	UL 94	V-0 V-2	

\* % 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.

