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Product Data Sheet

**Product** TPE-OM50A0RXTL

**ColorRx®**

Biocompatible, translucent, 50 Shore A Thermoplastic Elastomer with good sterilizability (including radiation) for over-molding and other healthcare applications.

<b>PHYSICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	7/5/2012
Specific Gravity	ASTM D792	.890 g/cm <sup>3</sup>	
Melt Flow Rate		g/10 min	
Mold Shrinkage		in/in	
Linear Flow (0.125)			
Water Absorption @ 24 hrs		%	
<b>IMPACT</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Izod Impact Strength		ft-lb/in	
Notched (73 F)		ft-lb/in	
(-22 F)			
<b>MECHANICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Tensile Strength @ Yield**	ASTM D412	1180 psi	
Tensile Strength @ Break**		psi	
Elongation @ Yield*		%	
Elongation @ Break*	ASTM D412	800 %	
Flexural Strength***		psi	
Flexural Modulus***		psi	
<b>HARDNESS</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Hardness Shore A	ASTM D2240	50	
<b>THERMAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
DTUL @		°F	
<b>IGNITION CHARACTERISTICS</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
UL File Number			
Flame Rating - UL			

\* % 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.

