



20 Progress Drive  
 Morrisville, PA 19067  
 215-736-1126  
 215-736-1128 [fax]

**Product Data Sheet**

**Product** TPV-45A0RX

**ColorRx®**

Biocompatible TPV alloy for healthcare applications. Suitable for a wide range of disposable medical items and for overmolding for soft-touch grips. Excellent flow.

<b>PHYSICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	1/27/2012
Specific Gravity	ASTM D792	0.89 g/cm <sup>3</sup> g/10 min in/in %	
<b>IMPACT</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Tear Strength	ASTM D624	98 ft-lb/in ft-lb/in	
<b>MECHANICAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Tensile Strength @ Break **	ASTM D412	475 psi psi	
Elongation At Break*	ASTM D412	470 %	
Compression Set 22 hrs.: 22F / 158F / 212 F	ASTM D395B	18% / 33% / 38 % psi psi	
<b>HARDNESS</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
Hardness Shore A, 10 sec.	ASTM D2240	45	
<b>THERMAL</b>	<b>Test Method</b>	<b>Typical Values, Units</b>	
		°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.

