

ColorRx® TPU-50D0RX

Thermoplastic Polyurethane Elastomer

LTL Color Compounders, Inc.

Message:

A biocompatible, 50 Shore D, polyether based Thermoplastic Polyurethane Elastomer for healthcare applications.

General Information	
Features	Biocompatible
Uses	Medical/Healthcare Applications
Agency Ratings	ISO 10993
	USP Class VI

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.7	MPa	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Tear Strength	131	kN/m	ASTM D624
Compression Set			ASTM D395B
23°C, 22 hr	20	%	
70°C, 22 hr	70	%	

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