

ColorRx® TPE-OM42A0RX

Thermoplastic Elastomer

LTL Color Compounders, Inc.

Message:

A biocompatible, Shore 42 A, opaque Thermoplastic Elastomer for healthcare applications . Primarily for over-molding on PC, ABS, and PC/ABS.

General Information			
Features	Biocompatible		
Uses	Medical/Healthcare Applications		
	Overmolding		
Agency Ratings	ISO 10993		
	USP Class VI		
Appearance	Opaque		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0 to 2.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	42		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	3.10	MPa	ASTM D412
Tensile Elongation (Break)	580	%	ASTM D412
Compression Set (23°C, 22 hr)	22	%	ASTM D395B

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