

ColorRx® ACR-0400RX

Acrylic
LTL Color Compounders, Inc.

Message:
A biocompatible non-impact modified Acrylic 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	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.9	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	90		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	66.9	MPa	ASTM D638
Tensile Elongation (Break)	3.1	%	ASTM D638
Flexural Modulus	3080	MPa	ASTM D790
Flexural Strength	98.6	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	96.7	°C	ASTM D648

Optical	Nominal Value	Unit	Test Method
Transmittance	92.0	%	ASTM D1003
Haze	1.0	%	ASTM D1003

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