

# ColorRx® ACR-0300MIRX

Acrylic

LTL Color Compounders, Inc.

## Message:

A biocompatible, medium impact acrylic resin for healthcare applications.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	3.3	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	48.3	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	85.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance (3180 µm)	92.0	%	ASTM D1003
Haze (3180 µm)	< 2.0	%	ASTM D1003

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## Recommended distributors for this material

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