

ColorRx® ACR-0100HIRX

Acrylic

LTL Color Compounders, Inc.

Message:

A biocompatible, high impact acrylic resin for healthcare applications.

General Information			
Features	Biocompatible		
	High Impact Resistance		
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
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	79.4	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance (3180 µm)	91.0	%	ASTM D1003
Haze (3180 µm)	< 3.0	%	ASTM D1003

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Recommended distributors for this material

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