

ColorRx® ACR-0300HIRXG

Acrylic
LTL Color Compounders, Inc.

Message:
A biocompatible , high impact Acrylic resin for healthcare applications, stabilized to provide improved color after gamma sterilization.

General Information			
Features	Biocompatible		
	High Impact Resistance		
	Radiation (Gamma) Resistant		
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)	3.3	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	38		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.9	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1850	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	82.2	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance	92.0	%	ASTM D1003
Haze	< 2.0	%	ASTM D1003

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

