

ColorRx® PC-4000RX

Polycarbonate

LTL Color Compounders, Inc.

Message:

A biocompatible, very high flow Polycarbonate for healthcare applications.

General Information			
Features	Biocompatible High Flow		
Uses	Medical/Healthcare Applications		
Agency Ratings	ISO 10993 ISO 10993-Part 1 USP Class VI		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	39	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50%RH)	0.090	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.7	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	6.0	%	
Break	110	%	
Flexural Modulus	2380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	680	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	125	°C	ASTM D648

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