

ColorRx® PC-1000RX

Polycarbonate

LTL Color Compounders, Inc.

Message:

A biocompatible, 10 melt grade of Polycarbonate for healthcare applications.

General Information	
Features	Biocompatible
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)	10 to 13	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	70		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	64.1	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	6.0	%	
Break	110	%	
Flexural Modulus	2280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	132	°C	ASTM D648

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