

ColorRx® PA-3000RX

Polycarbonate + ABS

LTL Color Compounders, Inc.

Message:

A biocompatible blend of polycarbonate (PC) and acrylonitrile butadiene styrene (ABS) for healthcare applications.

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.40	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	61.4	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.8	%	
Break	110	%	
Flexural Modulus	2530	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	670	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	104	°C	ASTM D648

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