

ColorRx® NY4-1000RX

Polyamide 6/12 Copolymer
LTL Color Compounders, Inc.

Message:
A biocompatible, Nylon 6,12 that 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	1.06	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4	%	ASTM D955
Water Absorption (Saturation)	1.3	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.3	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	2010	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	54.4	°C	ASTM D648

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