

ColorRx® PET-1000RX

Polyethylene Terephthalate
LTL Color Compounders, Inc.

Message:

A biocompatible, unreinforced, injection molding grade of copolyester for healthcare applications.

General Information			
Features	Biocompatible		
Uses	Medical/Healthcare Applications		
Agency Ratings	ISO 10993		
	USP Class VI		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.13	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1780	MPa	ASTM D638
Tensile Strength (Yield)	44.8	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1770	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	62.8	°C	ASTM D648

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