

ColorRx® PBT-2000RX

Polybutylene Terephthalate

LTL Color Compounders, Inc.

Message:

A biocompatible, unreinforced, high molecular weight PBT for healthcare applications

General Information			
Features	Biocompatible		
	High Molecular Weight		
Uses	Medical/Healthcare Applications		
Agency Ratings	ISO 10993		
	ISO 10993-Part 1		
	USP Class VI		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	24	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8 to 2.0	%	ASTM D955
Water Absorption (Saturation, 23°C)	0.45	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.3	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	
Break	> 50	%	
Flexural Modulus	2480	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	53.9	°C	ASTM D648

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