

ColorRx® PBT-2100RX

Polybutylene Terephthalate
LTL Color Compounders, Inc.

Message:
A biocompatible medium flow Polybutylene Terephthalate for healthcare applications.

General Information			
Features	Biocompatible		
	Medium Flow		
Uses	Medical/Healthcare Applications		
Agency Ratings	ISO 10993		
	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)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8 to 2.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.34	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	55.3	MPa	
Break	29.3	MPa	
Tensile Elongation			ASTM D638
Yield	3.6	%	
Break	300	%	
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength	76.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	48.9	°C	ASTM D648

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