

ColorRx® PCT-1200RX

Polycarbonate + PET

LTL Color Compounders, Inc.

Message:

A biocompatible, 12 melt, transparent PC/PET alloy for healthcare applications.

General Information			
Features	Biocompatible		
Uses	Medical/Healthcare Applications		
Agency Ratings	ISO 10993		
	USP Class VI		
Appearance	Clear/Transparent		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (Saturation, 23°C)	0.12	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	59.3	MPa	
Break	61.7	MPa	
Tensile Elongation			ASTM D638
Yield	6.3	%	
Break	140	%	
Flexural Modulus	2300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	106	°C	ASTM D648

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