

ColorRx® PEI-0900RX

Polyether Imide

LTL Color Compounders, Inc.

Message:

A biocompatible, Polyether Imide 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	1.36	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (Saturation, 23°C)	1.3	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	104	MPa	
Break	84.1	MPa	
Tensile Elongation			ASTM D638
Yield	7.0	%	
Break	60	%	
Flexural Modulus	3430	MPa	ASTM D790
Flexural Strength	172	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, 6.40 mm)	201	°C	ASTM D648

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