

ColorRx® PEI-1600RX

Polyether Imide
LTL Color Compounders, Inc.

Message:
A biocompatible, Polyether Imide with high flow for healthcare applications.

General Information			
Features	Biocompatible		
	High Flow		
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)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Water Absorption (Saturation, 23°C)	1.2	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	110	MPa	
Break	84.1	MPa	
Tensile Elongation			ASTM D638
Yield	7.0	%	
Break	70	%	
Flexural Modulus	5480	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)	199	°C	ASTM D648

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