

ColorRx® HIPS-1500RX

High Impact Polystyrene
LTL Color Compounders, Inc.

Message:

A high flow injection molding grade of High Impact Polystyrene, suitable for medical applications requiring biocompatibility

General Information			
Features	Biocompatible		
	High Flow		
Uses	Medical/Healthcare Applications		
Agency Ratings	ISO 10993-Part 1		
	USP Class VI		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Tensile Elongation (Yield)	35	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	78.9	°C	ASTM D648

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