

# ColorRx® HIPS-0800RX

High Impact Polystyrene

LTL Color Compounders, Inc.

## Message:

An injection molding grade of High Impact Polystyrene, suitable for medical applications requiring biocompatibility.

General Information			
Features	Biocompatible		
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 <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.3	MPa	ASTM D638
Tensile Elongation (Yield)	50	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	82.2	°C	ASTM D648

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## Recommended distributors for this material

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