

ColorRx® ABS-0500RX

Acrylonitrile Butadiene Styrene

LTL Color Compounders, Inc.

Message:

A biocompatible, high gloss injection molding grade of ABS for healthcare applications.

General Information			
Features	Biocompatible		
	High Gloss		
Uses	Medical/Healthcare Applications		
Agency Ratings	ISO 10993		
	ISO 10993-Part 1		
	USP Class VI		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	47.6	MPa	ASTM D638
Tensile Elongation (Break)	26	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	83.9	°C	ASTM D648

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Recommended distributors for this material

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