

# ColorRx® PPSU-1000RX

Polyphenylsulfone  
LTL Color Compounders, Inc.

Message:  
A general purpose, injection molding grade of biocompatible PPSU resin for healthcare applications. This product is not intended for applications involving greater than 24 hours body contact.

General Information			
Features	Biocompatible		
	General Purpose		
Uses	General Purpose		
	Medical/Healthcare Applications		
Agency Ratings	ISO 10993		
	USP Class VI		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.37	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	68.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	7.2	%	
Break	60	%	
Flexural Modulus	2410	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	207	°C	ASTM D648

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Recommended distributors for this material

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