

ColorRx® PPSU-2000RX

Polyphenylsulfone

LTL Color Compounders, Inc.

Message:

A high flow, 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 High Flow | | |
| Uses | Medical/Healthcare Applications | | |
| Agency Ratings | ISO 10993 USP Class VI | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.29 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 25 | 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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