

ColorRx® PPE-0800RX

Polyphenylene Ether

LTL Color Compounders, Inc.

Message:

A biocompatible, modified Polyphenylene Ether with standard flow for healthcare applications.

| General Information | | | |
|--|---------------------------------|-------------------|-------------|
| Features | Biocompatible Good Flow | | |
| Uses | Medical/Healthcare Applications | | |
| Agency Ratings | ISO 10993 USP Class VI | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.08 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (300°C/5.0 kg) | 8.4 | g/10 min | ASTM D1238 |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 0.050 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 70.3 | MPa | |
| Break | 57.2 | MPa | |
| Tensile Elongation | | | ASTM D638 |
| Yield | 5.3 | % | |
| Break | 30 | % | |
| Flexural Modulus | 2450 | MPa | ASTM D790 |
| Flexural Strength | 96.5 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 190 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 140 | °C | ASTM D648 |

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