

Sultron® R50

Polyphenylene Sulfide

Asia International Enterprise (Hong Kong) Limited

Message:

Sultron® R50 is a polyphenylene sulfide (PPS) material, and its filler is 50% glass fiber reinforced material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Sultron® The main features of R50 are:

flame retardant/rated flame

Flame Retardant

Heat resistance

| General Information | | | |
|-----------------------------|---|-------------------|-----------------|
| Filler / Reinforcement | Glass fiber reinforced material, 50% filler by weight | | |
| Features | Heat resistance, high | | |
| | Flame retardancy | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.78 | g/cm ³ | ISO 1183 |
| Molding Shrinkage | 0.30 | % | Internal method |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 170 | MPa | ISO 527-2 |
| Flexural Modulus | 16000 | MPa | ISO 178 |
| Flexural Stress | 250 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 15 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature | | | |
| 0.45 MPa, not annealed | 280 | °C | ISO 75-2/B |
| 1.8 MPa, not annealed | 260 | °C | ISO 75-2/A |
| Flammability | Nominal Value | Test Method | |
| Flame Rating (0.800 mm) | V-0 | UL 94 | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 120 - 140 | °C | |
| Drying Time | 2.0 - 4.0 | hr | |
| Rear Temperature | 310 - 320 | °C | |
| Middle Temperature | 320 - 340 | °C | |
| Front Temperature | 330 - 340 | °C | |
| Nozzle Temperature | 290 - 300 | °C | |
| Mold Temperature | 80.0 - 150 | °C | |
| Injection Pressure | 30.0 - 120 | MPa | |

| | | |
|------------------|-------------|-----|
| Holding Pressure | 40.0 - 50.0 | MPa |
| Back Pressure | 5.00 - 10.0 | MPa |
| Screw Speed | 40 - 80 | rpm |

Injection instructions

Cylinder Temperature 4: 290 to 310°C

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Recommended distributors for this material

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