

Pro-fax RP491S

Polypropylene Random Copolymer
LyondellBasell Industries

Message:

Pro-fax RP491S polypropylene random copolymer resin is available in pellet form. This resin is typically used in injection molding applications. For regulatory compliance information see Pro-fax RP491S Product Stewardship Bulletin (PSB).

| General Information | | | |
|--|-------------------|-------------------|-------------|
| Additive | Antistatic | | |
| | Nucleating Agent | | |
| Features | Antistatic | | |
| | Nucleated | | |
| | Random Copolymer | | |
| Uses | Containers | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.900 | g/cm ³ | ASTM D792B |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 35 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 26.2 | MPa | ASTM D638 |
| Tensile Elongation ² (Yield) | 13 | % | ASTM D638 |
| Flexural Modulus - 1% Secant ³ | 930 | MPa | ASTM D790A |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 59 | J/m | ASTM D256A |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 85.0 | °C | ASTM D648 |
| NOTE | | | |
| 1. | 50 mm/min | | |
| 2. | 2.0 mm/min | | |
| 3. | 1.0 mm/min | | |

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