

Solanyl® BP blend 40R

Biodegradable Polymers

Rodenburg Biopolymers B.V.

Message:

Solanyl® BP blend 40R is a Biodegradable Polymers (Biodeg Polymers) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Solanyl® BP blend 40R: Eco-Friendly/Green.

| General Information | | | |
|--|-------------------|-------------------|-------------|
| Features | Biodegradable | | |
| Appearance | White | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | |
| Density | 1.26 to 1.30 | g/cm ³ | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Injection Molded) | 2200 to 2400 | MPa | ISO 527-2 |
| Tensile Stress (Yield, Injection Molded) | 20.0 to 25.0 | MPa | ISO 527-2 |
| Tensile Strain (Break, Injection Molded) | 1.0 to 1.5 | % | ISO 527-2 |
| Flexural Modulus (Injection Molded) | 2100 to 2300 | MPa | ISO 178 |
| Flexural Stress (Injection Molded) | 45.0 to 50.0 | MPa | ISO 178 |
| Flexural Strain at Break - Injection Molded | 3.5 to 5.5 | % | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (Injection Molded) | 4.5 to 5.5 | kJ/m ² | ISO 179 |
| Thermal | Nominal Value | Unit | |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 54.0 to 56.0 | °C | |
| Glass Transition Temperature | 54.0 to 55.0 | °C | |
| Melting Temperature (DSC) | 140 to 145 | °C | |

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Recommended distributors for this material

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