

Eco-Solutions GP330-13

Biodegradable Polymers

MINIMA Technology Co. Ltd.

Message:

Eco-Solutions GP330-13 is a Biodegradable Polymers (Biodeg Polymers) material. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Eco-Solutions GP330-13 are:

Eco-Friendly/Green

Heat Resistant

Typical application of Eco-Solutions GP330-13: Medical/Healthcare

| General Information | | | |
|--|--|-------------------|-----------------|
| Features | Biodegradable Compostable Medium Heat Resistance | | |
| Uses | Eyeglass Frames | | |
| Appearance | White | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.44 | g/cm ³ | JIS K7112 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 14 | g/10 min | JIS K7210 |
| Molding Shrinkage - Flow | 0.78 | % | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 88 | | JIS K7202 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | JIS K7113 |
| Yield | 35.4 | MPa | |
| Break | 34.3 | MPa | |
| Tensile Elongation (Break) | 7.4 | % | JIS K7113 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 49 | J/m | JIS K7110 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 86.0 | °C | JIS K7207 |
| Melting Temperature | 145 | °C | JIS K7121 |

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