

Technical Data Sheet

Lucent Pp GPP-0140

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

Product Description

40% Glass Fiber Reinforced, Chemically Coupled, Homopolymer Polypropylene

Melt Flow Adjustable for Application

Colors Available

Add "U" for UV Stabilized

Add "H" for Heat Stabilized

General

| | |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 40% Filler by Weight |
| Features | • Chemically Coupled • Homopolymer |
| Appearance | • Colors Available |
| Processing Method | • Injection Molding |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.24 | 1.24 g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield) | 13000 psi | 89.6 MPa | ASTM D638 |
| Tensile Elongation (Break) | 3.0 % | 3.0 % | ASTM D638 |
| Flexural Modulus | 950000 psi | 6550 MPa | ASTM D790 |
| Flexural Strength | 18000 psi | 124 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact (0.125 In (3.18 Mm)) | 1.2 ft·lb/in | 64 J/m | ASTM D256 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed | 285 °F | 141 °C | ASTM D648 |

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| Injection | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature | 176 °F | 80 °C |
| Drying Time | 2.0 to 3.0 hr | 2.0 to 3.0 hr |
| Processing (Melt) Temp | 428 to 500 °F | 220 to 260 °C |
| Mold Temperature | 86 to 140 °F | 30 to 60 °C |

Notes

These are typical property values not to be construed as specification limits.