



Technical Data Sheet

Lucent Pp CPP-0110

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

Product Description

10% Calcium Carbonate Filled, Homopolymer Polypropylene

Melt Flow Adjustable for Application
 Colors Available
 Add "U" for UV Stabilized
 Add "H" for Heat Stabilized

General

| | |
|------------------------|---|
| Filler / Reinforcement | • Calcium Carbonate, 10% Filler by Weight |
| Features | • Homopolymer |
| Appearance | • Clear/Transparent • Colors Available |
| Processing Method | • Injection Molding |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|-------------------------|-------------|
| Density / Specific Gravity | 0.980 | 0.978 g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield) | 4400 psi | 30.3 MPa | ASTM D638 |
| Tensile Elongation (Break) | > 10 % | > 10 % | ASTM D638 |
| Flexural Modulus | 240000 psi | 1650 MPa | ASTM D790 |
| Flexural Strength | 6800 psi | 46.9 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact (0.125 In (3.18 Mm)) | 0.80 ft·lb/in | 43 J/m | ASTM D256 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed | 140 °F | 60.0 °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.