

Technical Data Sheet

# Lucent Pp GPP-0210

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

## Product Description

10% Glass Fiber Reinforced, Chemically Coupled, Impact Modified Polypropylene

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

## General

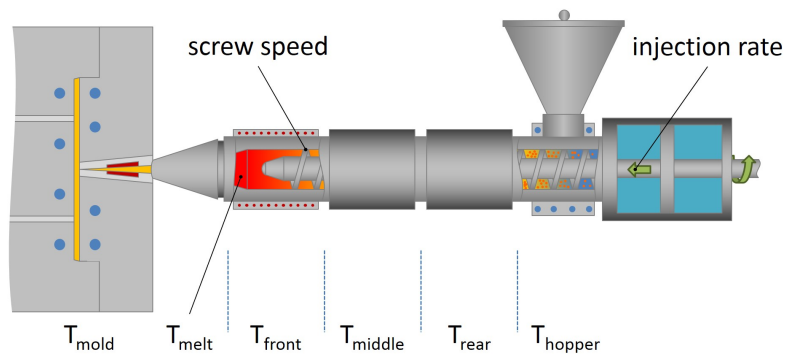
|                        |                                        |
|------------------------|----------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 10% Filler by Weight    |
| Additive               | • Impact Modifier                      |
| Features               | • Chemically Coupled • Impact Modified |
| Appearance             | • Colors Available                     |
| Processing Method      | • Injection Molding                    |

| Physical                                                           | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|--------------------------------------------------------------------|-------------------------|-------------------------|-------------|
| Density / Specific Gravity                                         | 0.980                   | 0.978 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                                                         | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tensile Strength (Yield)                                           | 6200 psi                | 42.7 MPa                | ASTM D638   |
| Tensile Elongation (Break)                                         | 7.0 %                   | 7.0 %                   | ASTM D638   |
| Flexural Modulus                                                   | 275000 psi              | 1900 MPa                | ASTM D790   |
| Flexural Strength                                                  | 8800 psi                | 60.7 MPa                | ASTM D790   |
| Impact                                                             | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Notched Izod Impact (0.125 In (3.18 Mm))                           | 1.8 ft·lb/in            | 96 J/m                  | ASTM D256   |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Deflection Temperature Under Load<br>264 Psi (1.8 Mpa), Unannealed | 230 °F                  | 110 °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.