

## Technical Data Sheet



## Lucent Pp GPP-0240

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

40% 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**

|                        |                                        |
|------------------------|----------------------------------------|
| Material Status        | • Commercial: Active                   |
| Availability           | • North America                        |
| Filler / Reinforcement | • Glass Fiber, 40% 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                                         | 1.24                    | 1.24 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                                                         | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)                                           | 12500 psi               | 86.2 MPa               | ASTM D638   |
| Tensile Elongation (Break)                                         | 3.0 %                   | 3.0 %                  | ASTM D638   |
| Flexural Modulus                                                   | 900000 psi              | 6210 MPa               | ASTM D790   |
| Flexural Strength                                                  | 17500 psi               | 121 MPa                | ASTM D790   |
| Impact                                                             | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (0.125 in (3.18 mm))                           | 2.2 ft·lb/in            | 120 J/m                | ASTM D256   |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load<br>264 psi (1.8 MPa), Unannealed | 280 °F                  | 138 °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.

### Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

### Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

### Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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