

## Technical Data Sheet

**Lucent Pp PPC-0310**

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

Impact Modified Polypropylene

Add "U" for UV Stabilized  
Add "H" for Heat Stabilized  
Meets GMP.PP.086R

**General**

|                   |                      |
|-------------------|----------------------|
| Material Status   | • Commercial: Active |
| Availability      | • North America      |
| Additive          | • Impact Modifier    |
| Features          | • Impact Modified    |
| Appearance        | • Black              |
| Processing Method | • Injection Molding  |

| Physical                                                           | Nominal Value (English) | Nominal Value (SI)      | Test Method |
|--------------------------------------------------------------------|-------------------------|-------------------------|-------------|
| Density / Specific Gravity                                         | 0.910                   | 0.908 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                          | 10 g/10 min             | 10 g/10 min             | ASTM D1238  |
| Mechanical                                                         | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tensile Strength (Yield)                                           | 4300 psi                | 29.6 MPa                | ASTM D638   |
| Tensile Elongation (Break)                                         | > 10 %                  | > 10 %                  | ASTM D638   |
| Flexural Modulus                                                   | 100000 psi              | 689 MPa                 | ASTM D790   |
| Flexural Strength                                                  | 5000 psi                | 34.5 MPa                | ASTM D790   |
| Impact                                                             | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Notched Izod Impact (0.125 in (3.18 mm))                           | 2.8 ft-lb/in            | 150 J/m                 | ASTM D256   |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Deflection Temperature Under Load<br>264 psi (1.8 MPa), Unannealed | 120 °F                  | 48.9 °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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