

Technical Data Sheet

# Lucent Pp PPC-0220

Polypropylene  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

Impact Modified Polypropylene

Colors Available  
 Add "U" for UV Stabilized  
 Add "H" for Heat Stabilized

**General**

- |                   |                     |
|-------------------|---------------------|
| Additive          | • Impact Modifier   |
| Features          | • Impact Modified   |
| Appearance        | • Colors Available  |
| 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)                          | 20 g/10 min             | 20 g/10 min             | ASTM D1238  |
| Mechanical   | Nominal Value (English) | Nominal Value (SI)      | Test Method |
| Tensile Strength (Yield)   | 4810 psi                | 33.2 MPa                | ASTM D638   |
| Tensile Elongation (Break)   | > 10 %                  | > 10 %                  | ASTM D638   |
| Flexural Modulus   | 150000 psi              | 1030 MPa                | ASTM D790   |
| Flexural Strength  | 5500 psi                | 37.9 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 | 125 °F                  | 51.7 °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.