

## Technical Data Sheet

# Lucent Pc PC/PBT-1020

Polycarbonate + PBT  
LyondellBasell Industries  
Engineering Plastics

### Product Description

Polycarbonate + PBT, General Purpose Injection Grade

Colors Available  
Add "R" for Added Release  
Add "U" for UV Stabilized

### General

|                   |                     |
|-------------------|---------------------|
| Features          | • General Purpose   |
| Uses              | • General Purpose   |
| Appearance        | • Colors Available  |
| Processing Method | • Injection Molding |

| Physical                                 | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity               | 1.20                    | 1.20 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 Kg) | 20 g/10 min             | 20 g/10 min            | ASTM D1238  |

| Mechanical                 | Nominal Value (English) | Nominal Value (SI) | Test Method |
|----------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (Yield)   | 9000 psi                | 62.1 MPa           | ASTM D638   |
| Tensile Elongation (Break) | > 80 %                  | > 80 %             | ASTM D638   |
| Flexural Modulus           | 290000 psi              | 2000 MPa           | ASTM D790   |
| Flexural Strength          | 10000 psi               | 68.9 MPa           | ASTM D790   |

| Impact                                   | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact (0.125 In (3.18 Mm)) | 10 ft·lb/in             | 530 J/m            | ASTM D256   |

| Thermal                                                            | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load<br>264 Psi (1.8 Mpa), Unannealed | 180 °F                  | 82.2 °C            | ASTM D648   |

### Notes

These are typical property values not to be construed as specification limits.