

**Technical Data Sheet**

# Lucent Pc PC-1418

Polycarbonate  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

Injection Grade Polycarbonate

High Flow - Clear and Colors Available  
Add "R" for Added Release  
Add "U" for UV Stabilizer

**General**

|                   |                                        |
|-------------------|----------------------------------------|
| Material Status   | • Commercial: Active                   |
| Availability      | • North America                        |
| Features          | • High Flow                            |
| Appearance        | • Clear/Transparent • Colors Available |
| Processing Method | • Injection Molding                    |

| Physical                          | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-----------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity        | 1.21                    | 1.21 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)         | 18 g/10 min             | 18 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)        | > 130 %                 | > 130 %                | ASTM D638   |
| Flexural Modulus                  | 330000 psi              | 2280 MPa               | ASTM D790   |
| Flexural Strength                 | 14300 psi               | 98.6 MPa               | ASTM D790   |
| Impact                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact               |                         |                        | ASTM D256   |
| 73°F (23°C), 0.125 in (3.18 mm)   | 12 ft-lb/in             | 640 J/m                |             |
| Thermal                           | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load |                         |                        | ASTM D648   |
| 264 psi (1.8 MPa), Unannealed     | 270 °F                  | 132 °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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