

## Technical Data Sheet

**Lucent Pc GPCB-120**

Polycarbonate + PBT  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

20% Glass Fiber Reinforced, PC + PBT

Colors Available

Add "R" for Added Release

Add "U" for UV Stabilized

**General**

|                        |                                     |
|------------------------|-------------------------------------|
| Material Status        | • Commercial: Active                |
| Availability           | • North America                     |
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Appearance             | • Colors Available                  |

| Physical                                 | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity               | 1.34                    | 1.34 g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg) | 15 g/10 min             | 15 g/10 min            | ASTM D1238  |
| Mechanical                               | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)                 | 13600 psi               | 93.8 MPa               | ASTM D638   |
| Tensile Elongation (Break)               | > 4.0 %                 | > 4.0 %                | ASTM D638   |
| Flexural Modulus                         | 580000 psi              | 4000 MPa               | ASTM D790   |
| Flexural Strength                        | 22000 psi               | 152 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)          | 0.80 ft-lb/in           | 43 J/m                 |             |
| Thermal                                  | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load        |                         |                        | ASTM D648   |
| 264 psi (1.8 MPa), Unannealed            | 248 °F                  | 120 °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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