

## Technical Data Sheet

**Lucent Pei PEI-100**

Polyetherimide  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

General Purpose Polyetherimide " Colors Available

**General**

|                 |                      |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability    | • North America      |
| Features        | • General Purpose    |
| Uses            | • General Purpose    |
| Appearance      | • Colors Available   |

| Physical                                                           | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|--------------------------------------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity                                         | 1.27                    | 1.27 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                                                         | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield)                                           | 14800 psi               | 102 MPa                | ASTM D638   |
| Tensile Elongation (Break)                                         | > 10 %                  | > 10 %                 | ASTM D638   |
| Flexural Modulus                                                   | 450000 psi              | 3100 MPa               | ASTM D790   |
| Flexural Strength                                                  | 20000 psi               | 138 MPa                | ASTM D790   |
| Impact                                                             | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact<br>73°F (23°C), 0.125 in (3.18 mm)             | 0.60 ft·lb/in           | 32 J/m                 | ASTM D256   |
| Thermal                                                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load<br>264 psi (1.8 MPa), Unannealed | 392 °F                  | 200 °C                 | ASTM D648   |

**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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