

**Lucent Pei PEI-100**

Polyether Imide  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

General Purpose Polyetherimide " Colors Available

**General**

|            |                    |
|------------|--------------------|
| 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               |                         |                        | ASTM D256   |
| 73°F (23°C), 0.125 In (3.18 Mm)   | 0.60 ft·lb/in           | 32 J/m                 |             |
| Thermal                           | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load |                         |                        | ASTM D648   |
| 264 Psi (1.8 Mpa), Unannealed     | 392 °F                  | 200 °C                 |             |

**Notes**

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

