

Technical Data Sheet

# 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.