

Technical Data Sheet

**Lucent Pc XNY-1418EFU**

Polycarbonate + PBT
LyondellBasell Industries
Engineering Plastics

Product Description

XNY-1418EFU is a weatherable injection molding grade of PC/PBT. It is high gloss, impact modified, and has an internal mold release.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Mold Release • High Gloss • Impact Modified
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.21	1.21 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18 g/10 min	18 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus ¹	305000 psi	2100 MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield	6670 psi	46.0 MPa	
Break	6090 psi	42.0 MPa	
Tensile Elongation ² (Break)	100 %	100 %	ASTM D638
Flexural Modulus - 2% Secant ³	334000 psi	2300 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
-22°F (-30°C)	4.0 ft·lb/in	210 J/m	
73°F (23°C)	10 ft·lb/in	530 J/m	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed	176 °F	80.0 °C	

Notes

¹ 0.039 in/min (1.0 mm/min)

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)

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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