

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

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.