

Technical Data Sheet

Lucent Pc PC/PBT-1422

Polycarbonate + PBT
 LyondellBasell Industries
 Engineering Plastics

Product Description

Polycarbonate + PBT, Injection Grade, Improved Cold Temperature Impact

Colors Available
 Add "R" for Added Release
 Add "U" for UV Stabilized

General

Features	• Low Temperature Impact Resistance
Appearance	• Colors Available
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density / Specific Gravity	1.21	1.21 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 Kg)	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Strength (Yield)	7700 psi	53.1 MPa	ASTM D638
Tensile Elongation (Break)	> 120 %	> 120 %	ASTM D638
Flexural Modulus	295000 psi	2030 MPa	ASTM D790
Flexural Strength	12300 psi	84.8 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact			ASTM D256
-22°F (-30°C), 0.125 In (3.18 Mm)	3.0 ft·lb/in	160 J/m	
73°F (23°C), 0.125 In (3.18 Mm)	14 ft·lb/in	750 J/m	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	210 °F	98.9 °C	ASTM D648
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Notes

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