

Technical Data Sheet

**Lucent Pc PC2258I6FRUL**

Polycarbonate
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• North America
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	10 g/10 min	10 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	344000 psi	2370 MPa	ISO 527-1
Tensile Stress (Yield)	8850 psi	61.0 MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.5 %	5.5 %	
Break	110 %	110 %	
Flexural Modulus	333000 psi	2300 MPa	ISO 178
Flexural Stress	13500 psi	92.7 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength	35 ft-lb/in ²	73 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break	ISO 179
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	287 °F	142 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	264 °F	129 °C	ISO 75-2/A

Technical Data Sheet



Lucent Pc PC2258I6FRUL

Polycarbonate
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature - Hot Air Dryer	250 °F	121 °C
Drying Time - Hot Air Dryer	4.0 hr	4.0 hr
Rear Temperature	480 to 570 °F	249 to 299 °C
Middle Temperature	480 to 570 °F	249 to 299 °C
Front Temperature	480 to 570 °F	249 to 299 °C
Processing (Melt) Temp	540 to 570 °F	282 to 299 °C
Mold Temperature	160 to 220 °F	71 to 104 °C
Injection Rate	Slow-Moderate	Slow-Moderate
Back Pressure	50.0 to 100 psi	0.345 to 0.689 MPa
Screw Speed	40 to 75 rpm	40 to 75 rpm
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

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/>.

© LyondellBasell Industries Holdings, B.V. 2024

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.