

Technical Data Sheet

**Lucent Pc PC/ABS-1218EFL**

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

Polycarbonate + ABS, Easy Flow Injection Grade

Colors Available

Add "R" for Added Release

Add "U" for UV Stabilized

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flow
Appearance	• Colors Available
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 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 Strength (Yield)	8100 psi	55.8 MPa	ASTM D638
Tensile Elongation (Break)	> 140 %	> 140 %	ASTM D638
Flexural Modulus	328000 psi	2260 MPa	ASTM D790
Flexural Strength	12500 psi	86.2 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	12 ft·lb/in	640 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	230 °F	110 °C	ASTM D648

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 210 °F	82 to 99 °C
Suggested Max Moisture	< 0.02 %	< 0.02 %
Rear Temperature	450 to 500 °F	232 to 260 °C
Middle Temperature	460 to 520 °F	238 to 271 °C
Front Temperature	460 to 520 °F	238 to 271 °C
Nozzle Temperature	480 to 530 °F	249 to 277 °C
Processing (Melt) Temp	460 to 530 °F	238 to 277 °C
Mold Temperature	140 to 180 °F	60 to 82 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	< 150 psi	< 1.03 MPa

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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