

Technical Data Sheet

**Diamaloy Asapc GLY 130**

Polycarbonate + ASA
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• UV Stabilizer
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.14	1.14 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹ (265°C/5.0 kg)	35 g/10 min	35 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	8900 psi	61.4 MPa	ASTM D638
Flexural Modulus ³	362000 psi	2500 MPa	ASTM D790B
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	8.0 ft-lb/in	430 J/m	ASTM D256A
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	116	116	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.250 in (6.35 mm)	218 °F	103 °C	
264 psi (1.8 MPa), Annealed, 0.250 in (6.35 mm)	250 °F	121 °C	
Vicat Softening Temperature	279 °F	137 °C	ASTM D1525 ⁴
CLTE - Flow (-22 to 176°F (-30 to 80°C))	3.8E-5 in/in/°F	6.8E-5 cm/cm/°C	ASTM D696

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 to 185 °F	80 to 85 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Suggested Max Moisture	0.10 %	0.10 %
Suggested Shot Size	40 to 70 %	40 to 70 %
Rear Temperature	440 to 500 °F	227 to 260 °C
Middle Temperature	450 to 509 °F	232 to 265 °C
Front Temperature	450 to 520 °F	232 to 271 °C
Nozzle Temperature	450 to 520 °F	232 to 271 °C
Processing (Melt) Temp	450 to 520 °F	232 to 271 °C
Mold Temperature	104 to 176 °F	40 to 80 °C
Injection Rate	Fast	Fast
Back Pressure	75.0 to 150 psi	0.517 to 1.03 MPa

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Notes

- ¹ Procedure A
- ² 2.0 in/min (51 mm/min)
- ³ Method I (3 point load), 0.050 in/min (1.3 mm/min)
- ⁴ Loading 1 (10 N)

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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