

Technical Data Sheet**Diamaloy Asapc 6040**

Polycarbonate + ASA
LyondellBasell Industries
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
Additive	• UV Stabilizer		
Appearance	• Natural Color		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.15	1.15 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)	7060 psi	48.7 MPa	ASTM D638
Flexural Modulus ³	293000 psi	2020 MPa	ASTM D790B
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	11 ft-lb/in	590 J/m	ASTM D256A
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	190 °F	87.8 °C	
264 psi (1.8 MPa), Unannealed, 0.250 in (6.35 mm)	201 °F	93.9 °C	
Vicat Softening Temperature	253 °F	123 °C	ASTM D1525 ⁴

Notes¹ Procedure A² 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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