

Technical Data Sheet

Diamaloy Asapc 6040

Polycarbonate + ASA
LyondellBasell Industries
Engineering Plastics

General		
Additive	• UV Stabilizer	
Agency Ratings	• EC 1907/2006 (REACH)	• EU 2002/96/EC (WEEE)
RoHS Compliance	• RoHS Compliant	
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

- 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.