

SABIC Innovative Plastics Cycloy® EBC3002 PC+ABS (Asia Pacific)

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycloy-EBC3002-PCABS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D 792
Water Absorption	0.20 %	0.20 %	ASTM D 570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	49.0 MPa	7110 psi	SABIC - Japan Method
Elongation at Break	100 %	100 %	SABIC - Japan Method
Flexural Strength	82.0 MPa	11900 psi	ASTM D 790
Flexural Modulus	2.25 GPa	326 ksi	ASTM D 790
Izod Impact, Notched	7.35 J/cm	13.8 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	unannealed; ASTM D 648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	unannealed; ASTM D 648
	@Thickness 6.40 mm	@Thickness 0.252 in	

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