

**SABIC Innovative Plastics Cycloy® MC8200 PC+ABS (Asia Pacific)**

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

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Cycloy-MC8200-PCABS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycloy-MC8200-PCABS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Water Absorption	0.20 % @Time 86400 sec	0.20 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	SABIC - Japan Method
Elongation at Break	200 %	200 %	SABIC - Japan Method
Flexural Strength	77.0 MPa	11200 psi	ASTM D790
Flexural Modulus	2.09 GPa	303 ksi	ASTM D790
Izod Impact, Notched	7.15 J/cm	13.4 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 - 80.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature -30.0 - 30.0 $\text{°C}$	33.3 - 44.4 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature -22.0 - 86.0 $\text{°F}$	TMA
Deflection Temperature at 0.46 MPa (66 psi)	125 $\text{°C}$ @Thickness 6.40 mm	257 $\text{°F}$ @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	106 $\text{°C}$ @Thickness 6.40 mm	223 $\text{°F}$ @Thickness 0.252 in	unannealed; ASTM D648

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