

**SABIC Innovative Plastics Cycloy® RCY6215 PC+ABS**

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

**Material Notes:**

Non-chlorinated, nombrominated flame retardant PC/ABS offering balanced heat, flow and impact to meet various application needs.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Cycloy-RCY6215-PCABS.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycloy-RCY6215-PCABS.php)

Physical Properties	Metric	English	Comments
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 260 °C	24 g/10 min @Load 4.76 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	62.0 MPa	8990 psi	Type I, 50 mm/min; ASTM D638
Tensile Strength, Yield	64.0 MPa	9280 psi	Type I, 50 mm/min; ASTM D638
Tensile Modulus	2.92 GPa	424 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	89.0 MPa	12900 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	2.64 GPa	383 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	5.00 J/cm	9.37 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C @Thickness 3.20 mm	185 °F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	98.0 °C	208 °F	Rate B/50; ASTM D1525

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