

## SABIC Innovative Plastics Cycloy® CM4219 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-CM4219-PCABS-Asia-Pacific.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycloy-CM4219-PCABS-Asia-Pacific.php)

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.15 %	0.15 %	ISO 62
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 260 °C	18 g/10 min @Load 4.76 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	94.0 MPa	13600 psi	5 mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	5.80 GPa	841 ksi	5 mm/min; ASTM D638
Flexural Yield Strength	140 MPa	20300 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	4.93 GPa	715 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.850 J/cm	1.59 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	9.00 kJ/m <sup>2</sup>	4.28 ft-lb/in <sup>2</sup>	80*10*3; ISO 180/1A

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	38.0 µm/m-°C @Temperature -40.0 - 40.0 °C	21.1 µin/in-°F @Temperature -40.0 - 104 °F	ASTM E 831
CTE, linear, Transverse to Flow	70.0 µm/m-°C @Temperature -40.0 - 40.0 °C	38.9 µin/in-°F @Temperature -40.0 - 104 °F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C @Thickness 3.20 mm	203 °F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C @Thickness 3.20 mm	194 °F @Thickness 0.126 in	unannealed; ASTM D648

Thermal Properties	Metric	English	Comments, ISO 306
Flammability, UL94	V-1	V-1	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	UL 94
	@Thickness 2.00 mm	@Thickness 0.0787 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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