

## SABIC Innovative Plastics Cycloy® C4220 PC+ABS

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

### Material Notes:

PC+ABS Blend with 20% Glass Reinforce. High heat resistance; Excellent balance strength/rigidity; Good impact/appearance.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Cycloy-C4220-PCABS.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycloy-C4220-PCABS.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Melt Flow	16 g/10 min	16 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 260 °C	@Load 11.0 lb, Temperature 500 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	93.0 MPa	13500 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	92.0 MPa	13300 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.6 %	2.6 %	Type I, 5 mm/min; ASTM D638
Elongation at Yield	2.6 %	2.6 %	Type I, 5 mm/min; ASTM D638
Tensile Modulus	6.41 GPa	930 ksi	5 mm/min; ASTM D638
Flexural Strength	146 MPa	21200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	5.79 GPa	840 ksi	1.3 mm/min, 50 mm span; ASTM D790
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Izod Impact, Unnotched	4.53 J/cm	8.49 ft-lb/in	ASTM D4812
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Dart Drop, Total Energy	19.0 J	14.0 ft-lb	ASTM D3763
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	21.0 J	15.5 ft-lb	ASTM D3763
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	264 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
	132 °C	270 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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