

SABIC Innovative Plastics LNP Thermocomp Cycoloy_C7210A PC+ABS (Asia Pacific)

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

Material Notes:

Talc-filled PC+ABS, nonhalogenated FR for thinwall molding applications. Very good modulus-ductility balance. 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-LNP-Thermocomp-CycoloyC7210A-PCABS-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D 792
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm @Thickness 3.20 mm	0.0030 - 0.0050 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0040 - 0.0060 cm/cm @Thickness 3.20 mm	0.0040 - 0.0060 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	16.4 g/10 min @Load 2.16 kg, Temperature 260 Â°C	16.4 g/10 min @Load 4.76 lb, Temperature 500 Â°F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.0 MPa	6960 psi	Type I, 5 mm/min; ASTM D 638
Tensile Strength, Yield	63.0 MPa	9140 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	80 %	80 %	Type I, 5 mm/min; ASTM D 638
Elongation at Yield	3.6 %	3.6 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	3.51 GPa	509 ksi	5 mm/min; ASTM D 638
Flexural Strength	106 MPa	15400 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	3.14 GPa	455 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	1.76 J/cm @Temperature 23.0 Â°C	3.30 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	18.69 J/cm @Temperature 23.0 Â°C	35.01 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Mechanical Properties	Metric	English	Comments
Impact Test	47.0 J @Temperature 23.0 Â°C	English ^{lb} @Temperature 73.4 Â°F	Notched Impact Total Energy; ASTM D 3763

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	59.4 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	33.0 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
CTE, linear, Transverse to Flow	66.6 Âµm/m-Â°C @Temperature -40.0 - 40.0 Â°C	37.0 Âµin/in-Â°F @Temperature -40.0 - 104 Â°F	ASTM E 831
Deflection Temperature at 0.46 MPa (66 psi)	92.0 Â°C @Thickness 3.20 mm	198 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	82.0 Â°C @Thickness 3.20 mm	180 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Vicat Softening Point	101 Â°C	214 Â°F	Rate B/50; ASTM D 1525
UL RTI, Electrical	60.0 Â°C	140 Â°F	UL 746B
UL RTI, Mechanical with Impact	60.0 Â°C	140 Â°F	UL 746B
UL RTI, Mechanical without Impact	60.0 Â°C	140 Â°F	UL 746B
Flammability, UL94	V-0 @Thickness 1.19 mm	V-0 @Thickness 0.0469 in	UL 94
	5VB @Thickness 1.98 mm	5VB @Thickness 0.0780 in	UL 94

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China