

SABIC Innovative Plastics Cycolac® INP630 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

INP630 is a specialty polymer that increases the service temperature of products. Can be used with a impact modifier to provide impact strength as well as high heat resistance. Provides excellent high heat resistance in thermoplastic polymers. Offers excellent flow properties in outdoor applications. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cycolac-INP630-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D 792
Density	1.09 g/cc	0.0394 lb/in ³	ISO 1183
Melt Flow	10.9 g/10 min	10.9 g/10 min	ASTM D 1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	
	21 g/10 min	21 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	58.0 MPa	8410 psi	2 mm/min; ISO 178
	115 MPa	16700 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	3.62 GPa	525 ksi	2 mm/min; ISO 178
	3.88 GPa	563 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	0.130 J/cm	0.244 ft-lb/in	ASTM D 256
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.190 J/cm	0.356 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	1.00 kJ/m ²	0.476 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	3.00 kJ/m ²	1.43 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	0.100 J/cm ²	0.476 ft-lb/in ²	

Charpy Impact, Notched			
Mechanical Properties	Metric	English	ISO 179/2C Comments
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C @Thickness 3.20 mm	230 °F @Thickness 0.126 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	99.0 °C	210 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	100 °C @Thickness 3.20 mm	212 °F @Thickness 0.126 in	unannealed; ASTM D 648
Vicat Softening Point	116 °C	241 °F	Rate B/50; ISO 306
	118 °C	244 °F	Rate B/120; ISO 306
Optical Properties	Metric	English	Comments
Yellow Index	6.0 %	6.0 %	ASTM D 1925

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