

SABIC Innovative Plastics Cycolac® INPBMAT ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Cross-linked SAN in styrenic matrix. Provides excellent gloss reduction properties. Maintains original polymer properties such as impact etc. Compatible with various polymer such as PVC and ABS. Can be used in low gloss ABS products at typical loading around 5PHR. Can be effectively compounded with ABS and other styrenic thermoplastics in molded, extruded or calendered applications to provide excellent gloss reduction properties without losing other physical performance.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	33.0 MPa	4790 psi	1.3 mm/min, 50 mm span; ASTM D790
	38.0 MPa	5510 psi	2 mm/min; ISO 178
Flexural Modulus	3.40 GPa	493 ksi	2 mm/min; ISO 178
	3.70 GPa	537 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.180 J/cm	0.337 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	2.00 kJ/m ²	0.952 ft-lb/in ²	80*10*4; ISO 180/1A
	1.00 kJ/m ² @Temperature -30.0 °C	0.476 ft-lb/in ² @Temperature -22.0 °F	80*10*4; ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Deflection Temperature at 1.8 MPa (264 psi)	87.0 °C	189 °F	Flatw 80*10*4 sp=64mm; ISO 75/Af
	86.0 °C @Thickness 3.20 mm	187 °F @Thickness 0.126 in	unannealed; ASTM D648
Vicat Softening Point	100 °C	212 °F	Rate B/50; ISO 306
	102 °C	216 °F	Rate B/120; ISO 306

Thermal Properties

Metric

English

Comments

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