

SABIC Innovative Plastics Cyclac® INP572 ABS+SAN

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

High molecular weight SAN, functions as a carrier resin for color concentrates. Can be used as compounding additives for polymer blends. Can be blended with high rubber graft modifier resins to produce customized ABS properties. Suitable for direct weather exposure. Provides excellent melt strength for extrusion, blow molding, or thermoforming applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cyclac-INP572-ABSSAN.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Melt Flow	5.8 g/10 min	5.8 g/10 min	ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	
	16 g/10 min	16 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	92.0 MPa	13300 psi	2 mm/min; ISO 178
	134 MPa	19400 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	3.46 GPa	502 ksi	2 mm/min; ISO 178
	3.90 GPa	566 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.460 J/cm	0.862 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	80*10*4; ISO 180/1A
	2.00 kJ/m ² @Temperature -30.0 °C	0.952 ft-lb/in ² @Temperature -22.0 °F	80*10*4; ISO 180/1A
Charpy Impact Unnotched	0.100 J/cm ²	0.476 ft-lb/in ²	ISO 179/2C

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	

Thermal Properties T _g at 1.8 MPa (264 psi)	Metric	English	Comments
	85.0 °C	185 °F	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Vicat Softening Point	102 °C	216 °F	Rate B/50; ISO 306
	105 °C	221 °F	Rate B/120; ISO 306

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