

Diamond Polymers ASA TW-18B1

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Description: ASA Weatherable Polymer, Injection Molding Grade, Very High Heat Information provided by Diamond Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-ASA-TW-18B1.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955
Melt Flow	0.30 g/10 min	0.30 g/10 min	Procedure A; ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	1.0 g/10 min	1.0 g/10 min	Procedure A Condition I; ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	
	2.9 g/10 min	2.9 g/10 min	Procedure A; ASTM D1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	102	102	ASTM D785
Tensile Strength, Yield	50.86 MPa	7376 psi	chs 2 in/min; ASTM D638
Flexural Modulus	2.51 GPa	364 ksi	Tangent, chs 0.05 in/min; ASTM D790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	bar; ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	101 °C	214 °F	0.125 in bar Unannealed/Conditioned 40 hours at 23°C; ASTM D648
	115 °C	239 °F	0.25 in bar Unannealed/Conditioned 40 hours at 23°C; ASTM D648
Vicat Softening Point	133 °C	271 °F	0.125 inch, 1 Kg; ASTM D1525

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