

Diamond Polymers ASA S-210E ASA Weatherable Polymers Extrusion Molding Grade, Medium Modulus

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

Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Diamond-Polymers-ASA-S-210E-ASA-Weatherable-Polymers-Extrusion-Molding-Grade-Medium-Modulus.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	ASTM D955
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	5.4 g/10 min	5.4 g/10 min	
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	ASTM D1238
	17.5 g/10 min	17.5 g/10 min	
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.8 MPa	6640 psi	chs 2.0 in/min; ASTM D638
Flexural Modulus	2.336 GPa	338.8 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	1.015 J/cm	1.902 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	105 °C	221 °F	ASTM D1525
	@Load 1.00 kg, Thickness 3.17 mm	@Load 2.20 lb, Thickness 0.125 in	

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