

Diamond Polymers ABSPC 9901B-50148 ABS/PC Blow Molding Grade, High Impact

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

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-ABSPC-9901B-50148-ABSPC-Blow-Molding-Grade-High-Impact.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	2.5 g/10 min	2.5 g/10 min	ASTM D1238
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	
	5.2 g/10 min	5.2 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 265 °C	@Load 11.0 lb, Temperature 509 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	50.6 MPa	7340 psi	chs 2.0 in/min; ASTM D638
Flexural Modulus	2.177 GPa	315.7 ksi	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 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	133 °C	271 °F	ASTM D1525
	@Load 1.00 kg, Thickness 3.17 mm	@Load 2.20 lb, Thickness 0.125 in	

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