

Diamond Polymers ABS TS15v04 Injection Molding Grade, ABS/PC Alloy

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-ABS-TS15v04-Injection-Molding-Grade-ABSPC-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 265 °C	10 g/10 min @Load 11.0 lb, Temperature 509 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.8 MPa	6500 psi	chs 2 in/min; ASTM D638
Elongation at Yield	3.0 %	3.0 %	chs 2.0 in/min; ASTM D638
Flexural Modulus	2.205 GPa @Thickness 3.17 mm	319.8 ksi @Thickness 0.125 in	tangent; chs 0.05 in/min; ASTM D790
Izod Impact, Notched	5.34 J/cm @Thickness 3.17 mm, Temperature 23.0 °C	10.0 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C @Load 1.00 kg	261 °F @Load 2.20 lb	ASTM D1525

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