

Diamond Polymers PC 1035L Impact Modified, Polycarbonate, Injection Molding Grade

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Impact Modified

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-PC-1035L-Impact-Modified-Polycarbonate-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Melt Flow	12 g/10 min @Load 1.20 kg, Temperature 300 °C	12 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	59.1 MPa	8570 psi	chs 2.0 in/min; ASTM D638
Flexural Strength	82.4 MPa	12000 psi	chs 0.05 in/min; 5% strain; ASTM D790
Flexural Modulus	2.246 GPa	325.8 ksi	chs 0.05 in/min; ASTM D790
Izod Impact, Notched	6.94 J/cm @Thickness 3.17 mm	13.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	122 °C	252 °F	0.125";, ASTM D648
Vicat Softening Point	146 °C @Load 1.00 kg, Thickness 3.17 mm	295 °F @Load 2.20 lb, Thickness 0.125 in	ASTM D1525

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