

Network Polymers PC-1030L

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

Material Notes:

Description: Polycarbonate Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-PC-1030L.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	ASTM D955
Melt Flow	20 g/10 min @Load 3.80 kg, Temperature 230 °C	20 g/10 min @Load 8.38 lb, Temperature 446 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	63.45 MPa	9203 psi	chs 2 in/min; ASTM D638
Flexural Strength	76.297 MPa	11066 psi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790
Flexural Modulus	2.32 GPa	336 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	Test Method A (0.125 in bar); ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	121 °C	250 °F	0.125 in bar; ASTM D648
Flammability, UL94	V-2	V-2	0.062 in

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