

Network Polymers PC-2109

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Unreinforced, Flame Retardant

Material Notes:

Description: Natural Flame Retardant Polycarbonate Information provided by Network Polymers Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Network-Polymers-PC-2109.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Water Absorption	0.15 %	0.15 %	24 hours at 73°F; ASTM D570
Linear Mold Shrinkage	0.0020 - 0.0070 cm/cm	0.0020 - 0.0070 in/in	ASTM D955
Melt Flow	15 g/10 min @Load 1.20 kg, Temperature 300 °C	15 g/10 min @Load 2.65 lb, Temperature 572 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	61.38 MPa	8903 psi	chs 2 in/min; ASTM D638
Flexural Strength	90.11 MPa	13070 psi	
Flexural Modulus	2.21 GPa	320 ksi	Test Method I, Procedure B (chs speed 0.05 in/min); ASTM D790
Izod Impact, Notched	7.47 J/cm	14.0 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)	123 °C	253 °F	0.125 in bar; ASTM D648
Vicat Softening Point	150 °C	302 °F	0.125 inch bar, 1 Kg; ASTM D1525
Flammability, UL94	5VA	5VA	0.062 in and 0.125 in (0.125 in 5VA)

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