

## Diamond Polymers PC 0614UV UV Stabilized Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, UV Stabilized

**Material Notes:**

Information Provided by Diamond Polymers, Inc. &amp; Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-PC-0614UV-UV-Stabilized-Polycarbonate.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-PC-0614UV-UV-Stabilized-Polycarbonate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	6.0 g/10 min @Load 1.20 kg, Temperature 300 °C	6.0 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength at Break	69.0 MPa	10000 psi	chs 2.0 in/min; ASTM D638
Tensile Strength, Yield	62.0 MPa	8990 psi	chs 2.0 in/min; ASTM D638
Elongation at Break	132 %	132 %	chs 2.0 in/min; ASTM D638
Flexural Strength	98.5 MPa	14300 psi	chs 0.05 in/min; ASTM D790
Flexural Modulus	2.274 GPa	329.8 ksi	chs 0.05 in/min; tangent; ASTM D790
Izod Impact, Notched	7.48 J/cm @Thickness 3.17 mm	14.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	67.5 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature -40.0 - 33.9 °C	37.5 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature -40.0 - 93.0 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	133 °C	271 °F	0.125";; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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