

Ovation Polymers RIGITRON 10001 Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

PC – Impact Modified, high tensile strength, stiffness and HDT. *All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance. Information provided by Ovation Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ovation-Polymers-RIGITRON-10001-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm @Thickness 3.17 mm	0.0020 - 0.0040 in/in @Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.0010 - 0.0040 cm/cm @Thickness 3.17 mm	0.0010 - 0.0040 in/in @Thickness 0.125 in	
Melt Index of Compound	15 - 18 g/10 min @Load 1.20 kg, Temperature 300 °C	15 - 18 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	64.0 MPa	9280 psi	50 mm/min; ASTM D638
Elongation at Break	20 %	20 %	50 mm/min; ASTM D638
Tensile Modulus	1.85 GPa	268 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	90.0 MPa	13100 psi	1.3 mm/min; ASTM D790
Flexural Modulus	2.25 GPa	326 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	6.941 J/cm	13.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	125 °C @Thickness 3.20 mm	257 °F @Thickness 0.126 in	ASTM D648

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China