

Ovation Polymers Opnyl OP66GF15 Nylon 66, 14% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Nylon 66 - Glass reinforced (14 %), 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-Opnyl-OP66GF15-Nylon-66-14-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm @Thickness 3.17 mm	0.0050 - 0.0080 in/in @Thickness 0.125 in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.011 cm/cm @Thickness 3.17 mm	0.0060 - 0.011 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	105 MPa	15200 psi	50 mm/min; ASTM D638
Elongation at Break	3.5 %	3.5 %	50 mm/min; ASTM D638
Tensile Modulus	4.10 GPa	595 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	135 MPa	19600 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	4.30 GPa	624 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	248 °C @Thickness 3.20 mm	478 °F @Thickness 0.126 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	238 °C @Thickness 3.20 mm	460 °F @Thickness 0.126 in	unannealed; ASTM D648

Contact Songhan Plastic Technology Co.,Ltd.Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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