

## Ovation Polymers Opnyl OP6GF15 Nylon 6, 15% Glass Reinforced, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 6

**Material Notes:**

Nylon 6 - Glass reinforced (15 %), high tensile strength, stiffness and HDT. \*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. For Nylon compounds the measurements are done in dry and wet conditions. 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-OP6GF15-Nylon-6-15-Glass-Reinforced-Dry.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-Opnyl-OP6GF15-Nylon-6-15-Glass-Reinforced-Dry.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 - 0.0020 cm/cm @Thickness 3.17 mm	0.0010 - 0.0020 in/in @Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	145 MPa	21000 psi	50 mm/min; ASTM D638
Elongation at Break	3.0 %	3.0 %	50 mm/min; ASTM D638
Tensile Modulus	4.80 GPa	696 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	150 MPa	21800 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	5.00 GPa	725 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	0.747 J/cm	1.40 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	208 °C @Thickness 3.20 mm	406 °F @Thickness 0.126 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	200 °C @Thickness 3.20 mm	392 °F @Thickness 0.126 in	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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