

## Ovation Polymers Opnyl OP66GF43 Nylon 66, As Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

**Material Notes:**

Nylon 66-Glass reinforced(43%), high tensile strength, stiffness and HDT.Information provided by Ovation Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ovation-Polymers-Opnyl-OP66GF43-Nylon-66-As-Conditioned.php](http://www.lookpolymers.com/polymer_Ovation-Polymers-Opnyl-OP66GF43-Nylon-66-As-Conditioned.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	230 MPa	33400 psi	50 mm/min; ASTM D638
Elongation at Break	2.8 %	2.8 %	50 mm/min; ASTM D638
Tensile Modulus	9.00 GPa	1310 ksi	50 mm/min; ASTM D638
Flexural Yield Strength	250 MPa	36300 psi	1.3 mm/min; ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	1.3 mm/min; ASTM D790
Izod Impact, Notched	1.068 J/cm @Temperature 23.0 °C	2.001 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	253 °C @Thickness 3.20 mm	487 °F @Thickness 0.126 in	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	247 °C @Thickness 3.20 mm	477 °F @Thickness 0.126 in	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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