

## PolyOne Gravi-Tech™ GRV-NY-050-CU-NAT Polyamide 6 (Nylon 6)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Gravi-Tech-GRV-NY-050-CU-NAT-Polyamide-6-Nylon-6.php](http://www.lookpolymers.com/polymer_PolyOne-Gravi-Tech-GRV-NY-050-CU-NAT-Polyamide-6-Nylon-6.php)

Physical Properties	Metric	English	Comments
Specific Gravity	4.99 g/cc	4.99 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	58.6 MPa	8500 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	1.0 %	1.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	12.4 GPa	1800 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	0.530 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	0.993 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Processing Properties	Metric	English	Comments
Melt Temperature	271 - 293 °C	520 - 559 °F	
Mold Temperature	82.2 - 107 °C	180 - 225 °F	
Drying Temperature	71.1 - 82.2 °C	160 - 180 °F	

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Features	High Specific Gravity	
	Non-Toxic	
Forms	Pellets	
Generic Material	Nylon 6	

<b>Generic Name</b> Descriptive Properties	<b>Polyamide 6 (Nylon 6)</b> Value	Comments
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Industrial Applications	
	Medical/Healthcare Applications	
	Projectiles	
	Sporting Goods	
	Weighting & Balancing	

## Contact Songhan Plastic Technology Co.,Ltd.

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