

# Gravi-Tech™ GRV-NY-050-CU-NAT

Polyamide 6  
PolyOne Corporation

Message:

Gravi-Tech™ GRV-NY-050-CU-NAT is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Gravi-Tech™ GRV-NY-050-CU-NAT include industrial applications, medical/healthcare and sporting goods. Primary characteristic: non-toxic.

General Information			
Features	High Specific Gravity		
	Non-Toxic		
Uses	Industrial Applications		
	Medical/Healthcare Applications		
	Projectiles		
	Sporting Goods		
	Weighting & Balancing		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	4.99	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	12400	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	58.6	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	1.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	53	J/m	ASTM D256A
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Processing (Melt) Temp	271 to 293	°C	
Mold Temperature	82.2 to 107	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		

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Recommended distributors for this material

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