

Gravi-Tech™ GRV-NY-035-SS-GF-BLK

Polyamide 6
PolyOne Corporation

Message:

Gravi-Tech™ GRV-NY-035-SS-GF-BLK 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-035-SS-GF-BLK 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	3.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	94.5	MPa	ASTM D638
Tensile Elongation ² (Break)	1.0	%	ASTM D638
Flexural Modulus	15400	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	53	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed	214	°C	
1.8 MPa, Unannealed	198	°C	
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Processing (Melt) Temp	266 to 293	°C	
Mold Temperature	82.2 to 135	°C	
NOTE			

1.	Type I, 5.1 mm/min
2.	Type I, 5.1 mm/min

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Recommended distributors for this material

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