

Gravi-Tech™ GRV-NP-040-W-NAT

Polyamide 12
PolyOne Corporation

Message:

Gravi-Tech™ GRV-NP-040-W-NAT is a Polyamide 12 (Nylon 12) 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-NP-040-W-NAT include industrial applications, medical/healthcare and sporting goods.

Characteristics include:

Impact Modified

Non-Toxic

General Information			
Additive	Impact Modifier		
Features	High Density		
	Impact Modified		
	Non-Toxic		
Uses	Industrial Applications		
	Medical/Healthcare Applications		
	Projectiles		
	Radiation Shielding		
	Sporting Goods		
	Weighting & Balancing		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	3.99	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90 to 1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	24.5	MPa	ASTM D638
Tensile Elongation ² (Break)	25	%	ASTM D638
Flexural Modulus	758	MPa	ASTM D790
Flexural Strength ³ (Yield)	30.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm)	119	°C	ASTM D648
NOTE			

1.	Type I, 5.1 mm/min
2.	Type I, 5.1 mm/min
3.	13 mm/min

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Recommended distributors for this material

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