

Gravi-Tech™ GRV-NJ-110-W

Polyamide 12
PolyOne Corporation

Message:

Gravi-Tech™ GRV-NJ-110-W 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-NJ-110-W include industrial applications, medical/healthcare and sporting goods. Primary characteristic: non-toxic.

General Information			
Features	High Density		
	Non-Toxic		
Uses	Industrial Applications		
	Medical/Healthcare Applications		
	Projectiles		
	Radiation Shielding		
	Sporting Goods		
	Weighting & Balancing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	11.0	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	8960	MPa	ASTM D638
Tensile Strength ² (Yield)	44.8	MPa	ASTM D638
Tensile Elongation ³ (Break)	1.0	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	80	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.35 mm)	155	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	260 to 288	°C	
Mold Temperature	82.2 to 149	°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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