

# Gravi-Tech™ GT6200-5002 X4 Black

Polyamide 12  
PolyOne Corporation

**Message:**

Gravi-Tech™ GT6200-5002 X4 Black 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™ GT6200-5002 X4 Black 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
Density	9.00	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	12000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	63.5	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	0.70	%	ISO 527-2
Flexural Modulus (23°C)	12300	MPa	ISO 178
Flexural Stress (23°C)	88.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength (23°C)	13	kJ/m <sup>2</sup>	ISO 179
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0 to 4.0	hr	

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Recommended distributors for this material

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