

Gravi-Tech™ GT6000-5002 white 1 Polyamide 6

Key Characteristics

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Commercial: Active		
 Africa & Middle East Asia Pacific	EuropeLatin America	North America
 High Specific Gravity 	Non-Toxic	
Appliance ComponentsAutomotive ApplicationsConsumer ApplicationsHandles	 Industrial Applications Knobs Medical/Healthcare Applications Metal Replacement 	Sporting Goods Weighting & Balancing
• Pellets		
 Injection Molding 		
	 Africa & Middle East Asia Pacific High Specific Gravity Appliance Components Automotive Applications Consumer Applications Handles Pellets 	 Africa & Middle East Asia Pacific High Specific Gravity Appliance Components Automotive Applications Consumer Applications Handles Europe Latin America Non-Toxic Industrial Applications Knobs Medical/Healthcare Applications Medical/Replacement

Technical Properties 1

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	2.70 g/cm ³	2.70 g/cm ³	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus	1.16E+6 psi	8000 MPa	ISO 527-2
Tensile Stress (Break)	10200 psi	70.0 MPa	ISO 527-2
Tensile Strain (Break)	1.5 %	1.5 %	ISO 527-2
Flexural Modulus	885000 psi	6100 MPa	ISO 178
Flexural Stress	11600 psi	80.0 MPa	ISO 178
mpact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	2.4 ft·lb/in²	5.0 kJ/m²	ISO 179
Charpy Unnotched Impact Strength	11 ft·lb/in²	23 kJ/m²	ISO 179

Processing Information

Injection	Typical Value (English)	Typical Value (SI)	
Drying Temperature	176 °F	80.0°C	
Drying Time	4.0 hr	4.0 hr	
Processing (Melt) Temp	500 to 554 °F	260 to 290 °C	
Mold Temperature	122 to 194 °F	50.0 to 90.0 °C	

Notes

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¹ Typical values are not to be construed as specifications.

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