



Gravi-Tech™ GT5200-5002 Light Grey Polypropylene

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Specific Gravity • Non-Toxic		
Uses	• Appliance Components • Automotive Applications • Consumer Applications	• Handles • Industrial Applications • Knobs	• Metal Replacement • Sporting Goods • Weighting & Balancing
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity ²	2.60	2.60	ISO 1183
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ³	421000 psi	2900 MPa	ISO 527
Tensile Strength ³ (Yield)	1890 psi	13.0 MPa	ISO 527
Tensile Elongation ³ (Break)	> 6.0 %	> 6.0 %	ISO 527
Flexural Modulus ⁴	537000 psi	3700 MPa	ISO 178
Flexural Strength ⁴	3630 psi	25.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength	1.2 ft-lb/in ²	2.5 kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	3.3 ft-lb/in ²	7.0 kJ/m ²	ISO 179

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	175 °F	79 °C
Drying Time	2.0 hr	2.0 hr

Notes

¹ Typical values are not to be construed as specifications.

² +/-0.2

³ Type I, 0.20 in/min (5.1 mm/min)

⁴ 0.050 in/min (1.3 mm/min)