



Gravi-Tech™ GT5200-0002 Black

Polypropylene Alloy

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Non-Toxic • Specialty Grade		
Uses	• Appliance Components • Consumer Applications	• Industrial Applications • Sporting Goods	• Weighting & Balancing
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	2.60	2.60	ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 9.0E-3 in/in	0.60 to 0.90 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	529 psi	3.65 MPa	ASTM D638
Tensile Elongation ² (Break)	25 %	25 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A)	94	94	ASTM D2240

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	125 °F	51.7 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	420 to 470 °F	216 to 243 °C
Middle Temperature	430 to 480 °F	221 to 249 °C
Front Temperature	440 to 490 °F	227 to 254 °C
Nozzle Temperature	450 to 500 °F	232 to 260 °C
Mold Temperature	100 to 150 °F	37.8 to 65.6 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 2.0 in/min (51 mm/min)

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