



Gravi-Tech™ GRV-UR-080-W

Polyurethane

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific		
Features	• High Density	• Non-Toxic	
Uses	• Industrial Applications • Medical/Healthcare Applications	• Projectiles • Sporting Goods	• Weighting & Balancing
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	8.00	8.00	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	1380 psi	9.51 MPa	ASTM D638
Tensile Strength ² (Yield)	1500 psi	10.3 MPa	ASTM D638
Tensile Elongation ² (Break)	70 %	70 %	ASTM D638
Flexural Modulus	13000 psi	89.6 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256A
73°F (23°C), 0.250 in (6.35 mm), Injection Molded	3.0 ft-lb/in	160 J/m	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	150 °F	65.6 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	360 to 400 °F	182 to 204 °C
Mold Temperature	150 to 180 °F	65.6 to 82.2 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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