



Gravi-Tech™ GRV-UR-060-W-BLK

Polyurethane

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• North America		
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	6.00	6.00	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
Flexural Modulus	31000 psi	214 MPa	ASTM D790
Flexural Strength ² (Yield)	1370 psi	9.47 MPa	ASTM D790
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (100% Strain)	2030 psi	14.0 MPa	ASTM D412
Tensile Strength (Yield)	2080 psi	14.3 MPa	ASTM D412
Tensile Elongation ³ (Break, 73°F (23°C))	200 %	200 %	ASTM D412
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm)	7.3 ft-lb/in	390 J/m	ASTM D256
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 10 sec)	50	50	ASTM D2240

Notes

¹ Typical values are not to be construed as specifications.

² 0.50 in/min (13 mm/min)

³ 20 in/min (510 mm/min)

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