



Gravi-Tech™ GRV-UR-045-SS-W Black Polyurethane

Key Characteristics

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	4.50	4.50	ASTM D792
Molding Shrinkage - Flow	6.0E-3 to 0.010 in/in	0.60 to 1.0 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Flexural Modulus	53000 psi	365 MPa	ASTM D790
Flexural Strength ² (Yield)	1800 psi	12.4 MPa	ASTM D790
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (100% Strain)	1260 psi	8.69 MPa	ASTM D412
Tensile Elongation (Break)	100 %	100 %	ASTM D412
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	4.0 ft-lb/in	210 J/m	ASTM D256
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore D	60	60	
Shore D, 10 sec	53	53	

Notes

¹ Typical values are not to be construed as specifications.

² 0.50 in/min (13 mm/min)

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