



Gravi-Tech™ GRV-UR-075-W-BLK

Polyurethane Thermoset Elastomer, Polyester Based

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	7.50	7.50	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	46000 psi	317 MPa	ASTM D790
Flexural Strength ² (Yield)	1650 psi	11.4 MPa	ASTM D790
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	2140 psi	14.8 MPa	ASTM D412
Tensile Elongation (Break)	80 %	80 %	ASTM D412
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	6.1 ft-lb/in	330 J/m	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 10 sec)	55	55	ASTM D2240

Notes

¹ Typical values are not to be construed as specifications.

² 0.50 in/min (13 mm/min)

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