

Gravi-Tech™ GRV-UR-090-W-BLK

Polyurethane Thermoset Elastomer, Polyester Based

PolyOne Corporation

Message:

Gravi-Tech™ GRV-UR-090-W-BLK is a Polyurethane Thermoset Elastomer, Polyester Based (TSU-Ester) product. It can be processed by injection molding and is available in North America. Applications of Gravi-Tech™ GRV-UR-090-W-BLK include industrial applications, medical/healthcare and sporting goods. Primary characteristic: non-toxic.

General Information			
Features	High Density		
	Non-Toxic		
Uses	Industrial Applications		
	Medical/Healthcare Applications		
	Projectiles		
	Sporting Goods		
	Weighting & Balancing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	8.98	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.90	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	648	MPa	ASTM D790
Flexural Strength ² (Yield)	19.3	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17.2	MPa	ASTM D412
Tensile Elongation (Break)	35	%	ASTM D412
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	230	J/m	ASTM D256
NOTE			
1.	13 mm/min		
2.	13 mm/min		

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