

Gravi-Tech™ GRV-UR-075-W-BLK

Polyurethane Thermoset Elastomer, Polyester Based

PolyOne Corporation

Message:

Gravi-Tech™ GRV-UR-075-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-075-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	7.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	317	MPa	ASTM D790
Flexural Strength ¹ (Yield)	11.4	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.8	MPa	ASTM D412
Tensile Elongation (Break)	80	%	ASTM D412
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	330	J/m	ASTM D256
NOTE			
1.	13 mm/min		

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