

Gravi-Tech™ X GRV-TE1-045-SS-W-NAT

Styrene Isoprene Styrene Block Copolymer

PolyOne Corporation

Message:

Gravi-Tech™ polymer-metal composites offer a high-performance thermoplastic-based alternative to lead and traditional metals. Using a variety of metallic fillers, these compounds have densities similar to traditional metals, while offering design and processing flexibility.

General Information			
Features	High Specific Gravity		
	Non-Toxic		
Uses	Industrial Applications		
	Medical/Healthcare Applications		
	Projectiles		
	Sporting Goods		
	Weighting & Balancing		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	4.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3 to 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A ¹	70		
Shore A, 10 sec	65		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (50% Strain)	2.07	MPa	ASTM D412
Tensile Strength (Break)	3.10	MPa	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Processing (Melt) Temp	163 to 204	°C	
Mold Temperature	15.6 to 37.8	°C	
NOTE			
1.	Instantaneous		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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