

Gravi-Tech™ GRV-PB-069-BMX Natural

Polyether Block Amide

PolyOne Corporation

Message:

Gravi-Tech™ GRV-PB-069-BMX Natural is a Polyether Block Amide (PEBA-Ether) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Gravi-Tech™ GRV-PB-069-BMX Natural include industrial applications, medical/healthcare and sporting goods. Primary characteristic: non-toxic.

General Information			
Features	Non-Toxic		
Uses	Industrial Applications		
	Medical/Healthcare Applications		
	Projectiles		
	Radiation Shielding		
	Sporting Goods		
	Weighting & Balancing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	6.88	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	4030	MPa	ASTM D638
Tensile Strength ² (Yield)	6.89	MPa	ASTM D638
Tensile Elongation ³ (Break)	1.0	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	12.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	53	J/m	ASTM D256A
Unnotched Izod Impact (Area)	5.25	kJ/m ²	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	71.1	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	232 to 271	°C	
Mold Temperature	37.8 to 48.9	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		

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