

Gravi-Tech™ GRV-PS-027-BA-WHT

Polybutylene Terephthalate

PolyOne Corporation

Message:

Gravi-Tech™ GRV-PS-027-BA-WHT is a Polybutylene Terephthalate (PBT) 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-PS-027-BA-WHT include industrial applications, medical/healthcare and sporting goods. Primary characteristic: non-toxic.

General Information			
Features	High Specific Gravity		
	Non-Toxic		
Uses	Industrial Applications		
	Medical/Healthcare Applications		
	Sporting Goods		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.69	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 to 1.7	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	6890	MPa	ASTM D638
Tensile Strength ² (Yield)	38.6	MPa	ASTM D638
Tensile Elongation ³ (Break)	1.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁴ (23°C, 6.35 mm, Injection Molded)	27	J/m	ASTM D648
Unnotched Izod Impact (23°C, 3.18 mm, Injection Molded)	240	J/m	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	107	°C	
Processing (Melt) Temp	249 to 266	°C	
Mold Temperature	82.2 to 121	°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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Recommended distributors for this material

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