

Gravi-Tech™ GRV-NY-085-W-NAT

Polyamide 6
PolyOne Corporation

Message:

Gravi-Tech™ GRV-NY-085-W-NAT is a Polyamide 6 (Nylon 6) 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-NY-085-W-NAT 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		
	Projectiles		
	Sporting Goods		
	Weighting & Balancing		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	8.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	11000	MPa	ASTM D638
Tensile Strength ² (Yield)	62.1	MPa	ASTM D638
Tensile Elongation ³ (Break)	1.0	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength	107	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	64	J/m	ASTM D256A
Unnotched Izod Impact (23°C, 3.18 mm, Injection Molded)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	192	°C	
1.8 MPa, Unannealed	135	°C	
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	

Drying Time	4.0	hr
Processing (Melt) Temp	271 to 288	°C
Mold Temperature	82.2 to 149	°C

NOTE		
1.	Type I, 5.1 mm/min	
2.	Type I, 5.1 mm/min	
3.	Type I, 5.1 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT