

Gravi-Tech™ GT6000-5002 White FD

Polyamide 6
PolyOne Corporation

Message:

Gravi-Tech™ GT6000-5002 White FD 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™ GT6000-5002 White FD include appliances, automotive, consumer goods, engineering/industrial parts and handles. Primary characteristic: non-toxic.

General Information			
Features	High Specific Gravity		
	Non-Toxic		
Uses	Appliance Components		
	Automotive Applications		
	Consumer Applications		
	Handles		
	Industrial Applications		
	Knobs		
	Medical/Healthcare Applications		
	Metal Replacement		
	Sporting Goods		
	Weighting & Balancing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.70	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Flexural Modulus	6100	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	23	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	
Thermal Conductivity ¹ (23°C)	1.3	W/m/K	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	

Processing (Melt) Temp	260 to 290	°C
Mold Temperature	50.0 to 90.0	°C

NOTE

1.	Through-Plane, measured with C-Therm TCI apparatus, using the Modified Transient Plane Source technique.
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