

Bergamid™ X BG6600-8049 RS HS BK001

Polyamide 66
PolyOne Corporation

Message:
Glass Fiber Reinforced PA66 Compound with Heat Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
Features	General Purpose		
	Heat Stabilized		
Uses	Automotive Applications		
	Construction Applications		
	Consumer Applications		
	General Purpose		
	Industrial Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (23°C, 3.20 mm)	190	MPa	ASTM D638
Flexural Modulus (23°C, 3.20 mm)	9000	MPa	ASTM D790
Flexural Strength (23°C, 3.20 mm)	280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	245	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	

Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	260 to 280	°C
Mold Temperature	65.0 to 85.0	°C

NOTE

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| 1. | 5.0 mm/min |
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