

Bergamid™ A700 G30 H BLUE RAL 5013 (F1)

Polyamide 66
PolyOne Corporation

Message:

Bergamid™ A700 G30 H BLUE RAL 5013 (F1) is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber. It can be processed by injection molding and is available in Europe.
Characteristics include:
Flame Rated
RoHS Compliant
Heat Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	High Heat Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.35	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	10000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	185	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	85	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Melting Temperature (DSC)	255 to 265	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	50.0 to 90.0	°C	
NOTE			
1.	±0.03 g/cm ³		

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