

Bergamid™ B70 G30 black VN8115CF LT

Polyamide 6

PolyOne Corporation

Message:

Bergamid™ B70 G30 black VN8115CF LT is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It can be processed by injection molding and is available in Europe.

Characteristics include:

Flame Rated

RoHS Compliant

Good Dimensional Stability

Good Stiffness

Weldable

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Dimensional Stability		
	Good Flow		
	Good Stiffness		
	Laser Weldable		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.35	g/cm ³	DIN 53479
Molding Shrinkage - Flow ² (23°C, 4.00 mm)	0.20 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	10000	MPa	ISO 527-2/1
Tensile Strength ³ (23°C, 4.00 mm)	155	MPa	ISO 527
Tensile Elongation ⁴ (Break, 23°C, 4.00 mm)	2.1	%	ISO 527
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	70	kJ/m ²	ISO 179
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 to 3.00 mm, ALL)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	

Processing (Melt) Temp	240 to 280	°C
Mold Temperature	65.0 to 85.0	°C
NOTE		
1.	±0.03	
2.	Bergmann method	
3.	5.0 mm/min	
4.	5.0 mm/min	

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