

Bergamid™ AB70 G40 H UF Natural

Polyamide 66/6 Copolymer

PolyOne Corporation

Message:

Bergamid™ AB70 G40 H UF Natural is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with 40% 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

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Good Dimensional Stability		
	Good Stiffness		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.52	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	15000	MPa	ISO 527-2/1
Tensile Strength ² (23°C, 4.00 mm, Injection Molded)	145	MPa	ISO 527
Tensile Elongation ³ (Break, 23°C, 4.00 mm, Injection Molded)	2.2	%	ISO 527
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	7.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C, Injection Molded)	47	kJ/m ²	ISO 179
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	250 to 290	°C	
Mold Temperature	50.0 to 90.0	°C	
NOTE			

1.	± 0.03
2.	5.0 mm/min
3.	5.0 mm/min

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