

Bergamid™ B70 W25 G45 H

Polyamide 6

PolyOne Corporation

Message:

Bergamid™ B70 W25 G45 H is a Polyamide 6 (Nylon 6) product filled with 45% glass fiber. It can be processed by injection molding and is available in Europe. Primary characteristic: rohs compliant.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.48	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	12000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	160	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	90	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	223	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	50.0 to 90.0	°C	
NOTE			

1. ±0.02 g/cm³

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Recommended distributors for this material

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