

Bergamid™ B65 G30 black IG

Polyamide 6
PolyOne Corporation

Message:
Bergamid™ B65 G30 black IG is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It is available in Europe. Primary characteristic: rohs compliant.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.36	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	10	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Ash Content	30	%	ISO 3451
Maximum Use Temperature			IEC 60216
-- ²	110	°C	
Short Time	190	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	8300	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	150	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)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Melting Temperature (DSC)	223	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 93
Volume Resistivity	1.0E+15	ohms·cm	IEC 93
NOTE			
1.	±0.03 g/cm ³		
2.	Continuous (GTP 50% Tensile)		

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