

Bergamid™ B70 S Mi40

Polyamide 6

PolyOne Corporation

Message:

Bergamid™ B70 S Mi40 is a Polyamide 6 (Nylon 6) product filled with 40% mineral. It is available in Asia Pacific or Europe. Primary characteristic: rohs compliant.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	12	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	8.50	cm ³ /10min	ISO 1133
Ash Content ¹	40	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	4.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	90	kJ/m ²	ISO 179/1eU
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+12 to 1.0E+15	ohms·cm	IEC 60093
NOTE			
1.	+- 2%		

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