

Technical Data Sheet

Vitamide BB16 BLK2-0390

Polyamide 6

Product Description

Vitamide BB16 BLACK 2-0390 is a Polyamide 6 Glass Bead, 30% filled material and is typically used in Injection Molding applications. Features include: Good Dimensional Stability.

Processing Method	Injection Molding
Attribute	Good Dimensional Stability
Filler/Reinforcement	Glass Bead, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.37	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	80	MPa	ISO 527-2
Tensile Strain at Break	9	%	ISO 527-2
Flexural Modulus	3700	MPa	ISO 178
Flexural Stress	125	MPa	ISO 178
Impact			
Notched Izod Impact Strength	4	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	>200	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	110	°C	ISO 75-2/A
DSC Melting Point	221	°C	ISO 3146
Electrical			
Dielectric Strength, (2.00 mm)	30	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	600	V	IEC 60112
Surface Resistivity	1000000000 00000	ohm	IEC 60093
Flammable			
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	60 to 100	°C