

Technical Data Sheet

Vitamide AB76BK H4 3323/1 760445



Polyamide 66

Product Description

Vitamide AB76BK H4 3323/1 760445 is a Polyamide 66 Glass Bead, 30% filled material and is typically used in Injection Molding applications. Features include: Good Glycol Resistance, Heat Stabilized, Oil Resistant, and UV Resistant.

Processing Method	Injection Molding
Attribute	Good Glycol Resistance; Heat Stabilized; Oil Resistant; UV Resistant
Additive	Heat Stabilizer; Hydrolysis Resistant; UV Stabilizer
Application	Automotive Under the Hood
Filler/Reinforcement	Glass Bead, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.35	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	3.2	%	ISO 527-2
Flexural Modulus	3430	MPa	ISO 178
Tensile Stress at Break	73	MPa	ISO 527-2
Tensile Modulus	4390	MPa	ISO 527-1
Flexural Stress	130	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched	3	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched	16	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	>184	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	66	°C	ISO 75-2/A
DSC Melting Point	260	°C	ISO 3146
Electrical			
Dielectric Strength, (2.00 mm)	30	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	450	V	IEC 60112
Surface Resistivity	1000000000 0000	ohm	IEC 60093
Flammable			
Glow Wire Flammability Index	725	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	675	°C	IEC 60695-2-13
UL Information			

Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	60 to 120	°C