

## 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.

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Density	1.35	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched	3	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched	16	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
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
<b>Electrical</b>			
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
<b>Flammable</b>			
Glow Wire Flammability Index	725	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	675	°C	IEC 60695-2-13
<b>UL Information</b>			

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Flame Rating

HB

UL 94

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<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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