

Technical Data Sheet

Vitamide AB76BK H4 3323/1 760445



Polyamide 66

Product Description

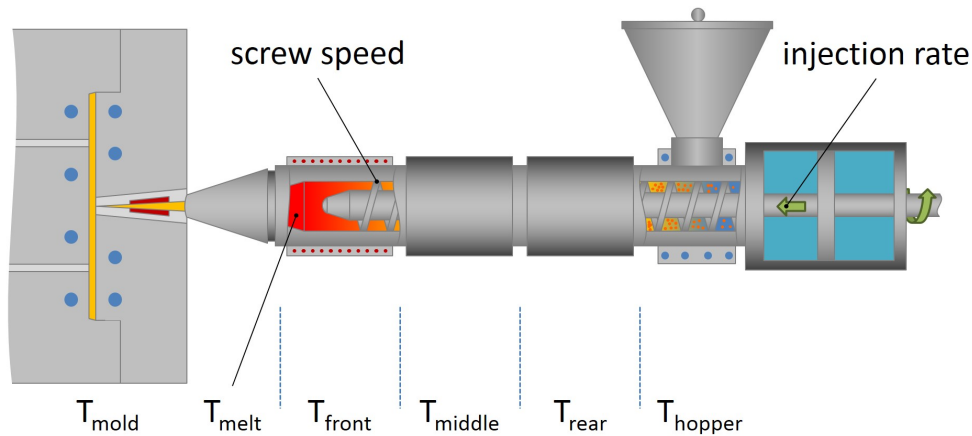
Vitamide AB76BK H4 3323/1 760445 is a Polyamide 66 Glass Bead, 30% filled material and is typically used in Injection Molding applications. Features include: Good Glycol Resistance, Heat Stabilized, Oil Resistant, and UV Resistant.

Regulatory Status

For regulatory compliance information, see Vitamide AB76BK H4 3323/1 760445 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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