

Technical Data Sheet

Vitamide BB37 BLACK 2-0010



Polyamide 6

Product Description

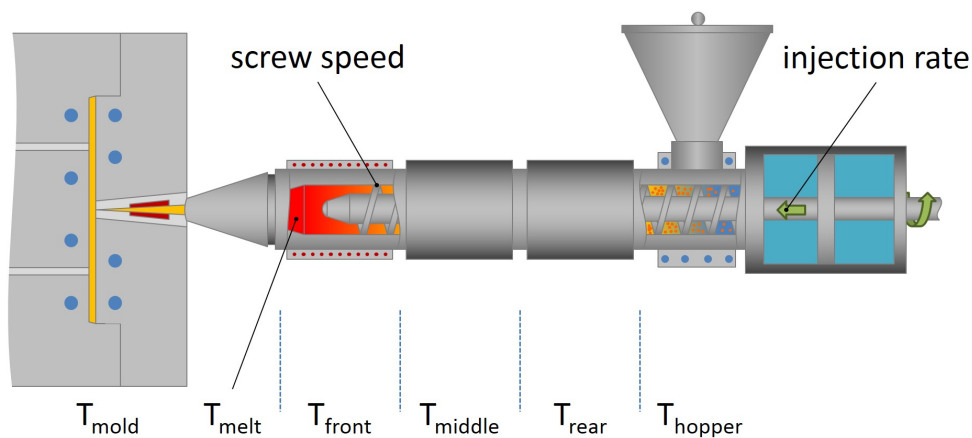
Vitamide BB37 BLACK 2-0010 is a Polyamide 6 Glass Bead, 35% filled material and is typically used in Injection Molding applications.

Regulatory Status

For regulatory compliance information, see BB37 BLACK 2-0010 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Limited Issue
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Filler/Reinforcement	Glass Bead, 35%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.14	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	6.5	%	ISO 527-2
Flexural Modulus	4000	MPa	ISO 178
Tensile Stress at Break	85	MPa	ISO 527-2
Flexural Stress	125	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched	4	kJ/m ²	ISO 179
Notched Izod Impact Strength	4.5	kJ/m ²	ISO 180
Thermal			
Vicat Softening Temperature, (B (50N), 120 °C/h)	222	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	>200	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	150	°C	ISO 75-2/A
Melting Temperature	260	°C	ISO 11357-3
Electrical			
Comparative Tracking Index (CTI), (Solution A)	575	V	IEC 60112
Surface Resistivity	1000000000 00000	ohm	IEC 60093
Flammable			
Burning Rate, (FMVSS)	<100	mm/min	FMVSS
Glow Wire Flammability Index	650	°C	IEC 60695-2-12
Additional Information			
Molding Shrinkage	1	%	ISO 294-4
Water Absorption 24h/23C	1.1	%	ISO 62
UL Information			
Flame Rating, (1.6 mm)	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

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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