

Technical Data Sheet

Vitamide BY16 BLACK 2-0487



Polyamide 6

Product Description

Vitamide BY16 BLACK 2-0487 is a Polyamide 6 Glass Fiber, 30% filled material and is typically used in Injection Molding applications. Features include: Halogenated.

Regulatory Status

For regulatory compliance information, see BY16 BLACK 2-0487 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Africa-Middle East; Asia-Pacific; Europe; Latin America; North America
Processing Method	Injection Molding
Attribute	Halogenated
Additive	Flame Retardant
Application	Electric Motor Housings
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.59	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	150	MPa	ISO 527-2
Tensile Strain at Break	3	%	ISO 527-2
Flexural Modulus	8000	MPa	ISO 178
Flexural Stress	200	MPa	ISO 178
Impact			
Notched Izod Impact Strength	7	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	>220	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	200	°C	ISO 75-2/A
DSC Melting Point	222	°C	ISO 3146
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
UL Information			
Flame Rating	V-0		UL 94



Injection Parameters	Nominal Value	Units
Drying Time	3.0 to 4.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	240 to 260	°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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