

Technical Data Sheet

Vitamide 6 BF13 NAT



Polyamide 6

Product Description

Vitamide FR VIT 6 BF13 NAT is a Polyamide 6 material and is typically used in Injection Molding applications.

Regulatory Status

For regulatory compliance information, see Vitamide 6 BF13 NAT [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
Additive	Flame Retardant
Application	Electrical Parts

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	1.16	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield	80	MPa	ISO 527-2
Tensile Strain at Break	25	%	ISO 527-2
Flexural Modulus	2750	MPa	ISO 178
Flexural Stress	90	MPa	ISO 178
Impact			
Notched Izod Impact Strength	5	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	200	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	75	°C	ISO 75-2/A
DSC Melting Point	221	°C	ISO 3146
Electrical			
Dielectric Strength, (2.00 mm)	30	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	600	V	IEC 60112
Surface Resistivity	1E+15	ohm	IEC 60093
Flammable			
Glow Wire Flammability Index			
(0.75 mm)	960	°C	IEC 60695-2-12
(1.5 mm)	960	°C	IEC 60695-2-12
UL Information			
Flame Rating	V-0		UL 94

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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