

Technical Data Sheet

Vitamide TF33 BLACK 2-0010



Polyamide 66/6 Copolymer

Product Description

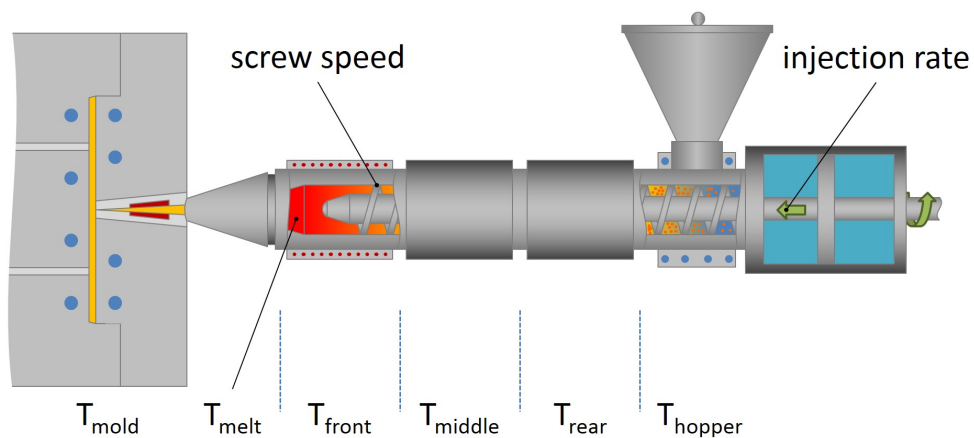
Vitamide TF33 BLACK 2-0010 is a Polyamide 66/6 Copolymer material. Features include: Halogen Free.

Regulatory Status

For regulatory compliance information, see Vitamide TF33 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
Attribute	Halogen Free
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	5	%	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)	85	°C	ISO 75-2/A
DSC Melting Point	242	°C	ISO 3146
Electrical			
Dielectric Strength, (2.00 mm)	34	kV/mm	IEC 60243-1
Comparative Tracking Index (CTI), (Solution A)	>600	V	IEC 60112
Surface Resistivity	1E+15	ohm	IEC 60093
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	4.0 to 6.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	270 to 300	°C
Mold Temperature	60 to 100	°C

Notes

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

Processing notes

Melt contacting surfaces should be made of a high quality, corrosive resistant steel. Positive experiences have been made with steel qualities containing > 12% chromium.

Avoid processing at very barrel high temperatures or above the recommended melt temperature range as this can increase risk of deposit onto the tool surfaces. Avoid long residence times. At start and end of production, it is recommended to purge clean with non-flame retardant polymer or a polyolefin.

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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