

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.

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