

## Technical Data Sheet

### Vitamide TF33 GREEN 5-0420



Polyamide 66/6 Copolymer

#### Product Description

Vitamide TF33 GREEN 5-0420 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
<b>Physical</b>			
Density	1.16	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched Izod Impact Strength	5	kJ/m <sup>2</sup>	ISO 180
<b>Thermal</b>			
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
<b>Electrical</b>			
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
<b>Flammable</b>			
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
<b>UL Information</b>			
Flame Rating	V-0		UL 94
<b>Injection Parameters</b>			
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	