

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.

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