

Technical Data Sheet

Vitamide TF33N 3340/1



Polyamide 66/6 Copolymer

Product Description

Vitamide TF33N 3340/1 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 | ISO 3795 |
| (2.00 mm) | <100 | mm/min | FMVSS 302 |
| 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 |