

Technical Data Sheet

Vitamide L'ABR-WAO VAF 6 BF13 BUEBL6580



Polyamide 6

Product Description

Vitamide LABR-WAO VAF 6 BF13 BUEBL6580 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 |