

## Technical Data Sheet

### Vitamide L'ABR-WAO VAF 6 BF13 GRNGR6799



Polyamide 6

#### Product Description

Vitamide LABR-WAO VAF 6 BF13 GRNGR6799 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    |
|---------------------------------------------------------|---------------|-------------------|----------------|
| <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                                 | 25            | %                 | 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) | 75            | °C                | ISO 75-2/A     |
| DSC Melting Point                                       | 221           | °C                | ISO 3146       |
| <b>Electrical</b>                                       |               |                   |                |
| 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      |
| <b>Flammable</b>                                        |               |                   |                |
| Glow Wire Flammability Index                            |               |                   |                |
| (0.75 mm)                                               | 960           | °C                | IEC 60695-2-12 |
| (1.5 mm)                                                | 960           | °C                | IEC 60695-2-12 |
| <b>UL Information</b>                                   |               |                   |                |
| Flame Rating                                            | V-0           |                   | UL 94          |