

## 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.

<b>Processing Method</b>	Injection Molding
<b>Additive</b>	Flame Retardant
<b>Application</b>	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