

## Technical Data Sheet

**Vitamide 66 AB36 NATNT8514**

Polyamide 66

**Product Description**

*Vitamide* LABR-WAO VIT 66 AB36 NATNT8514 is a Polyamide 66 Glass Bead, 30% filled material.

**Appearance** Natural Color  
**Filler/Reinforcement** Glass Bead, 30%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate	2	g/10 min	ISO 1133
Density	1.37	g/cm <sup>3</sup>	ISO 1183
Density - Specific Gravity	1.37	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Break	80	MPa	ASTM D638
Tensile Strain at Break	9	%	ISO 527-2
Flexural Modulus	3900	MPa	ISO 178
Tensile Elongation at Break	9	%	ASTM D638
Tensile Stress at Break	80	MPa	ISO 527-2
Flexural Stress	130	MPa	ISO 178
Flexural Strength at Break	130	MPa	ASTM D790
<b>Impact</b>			
Charpy Impact Strength - Notched	3.5	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched	35	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (0.45 MPa)	225	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	95	°C	ISO 75-2/A
Deflection Temperature Under Load Unannealed (264 psi)	95	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	225	°C	ASTM D648
DSC Melting Point	260	°C	ISO 1218
Peak Melting Temperature	260	°C	ASTM D2117
Coefficient of Linear Thermal Expansion (CLTE), Flow	6E-05	cm/cm/°C	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1E+15	ohm*cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D149
Comparative Tracking Index (CTI), (Solution A)	450	V	IEC 60112
<b>Flammable</b>			
Oxygen Index	25	%	ASTM D2863
<b>Additional Information</b>			
Water Absorption 24h/23C	1	%	ISO 62
Water Absorption at 24 hrs, (23 °C)	1.0	%	ASTM D570
<b>UL Information</b>			
Flame Rating	V-2		UL 94