

## 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.

#### Regulatory Status

For regulatory compliance information, see Vitamide 66 AB36 NATNT8514 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                      |                 |
|----------------------|-----------------|
| Status               | Discontinued    |
| Availability         | Europe          |
| 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     |

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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