

## ARBOBLEND® 3167 V

Biopolymer

TECNARO GmbH

| Rheological properties      | Value | Unit                   | Test Standard    |
|-----------------------------|-------|------------------------|------------------|
| <b>ISO Data</b>             |       |                        |                  |
| Melt volume-flow rate, MVR  | 7     | cm <sup>3</sup> /10min | ISO 1133         |
| Temperature                 | 190   | °C                     | -                |
| Load                        | 2.16  | kg                     | -                |
| Molding shrinkage, parallel | 0.3   | %                      | Company Standard |

| Mechanical Properties           | Value | Unit              | Test Standard |
|---------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                 |       |                   |               |
| Tensile Modulus                 | 7500  | MPa               | ISO 527       |
| Tensile Strength                | 52    | MPa               | ISO 527       |
| Stress at Break                 | 52    | MPa               | ISO 527       |
| Strain at Break                 | 1     | %                 | ISO 527       |
| Impact Strength (Charpy), +23°C | 16    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Shore Hardness D (15s)          | 86    | -                 | ISO 868       |

| Thermal Properties                        | Value | Unit | Test Standard |
|-------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                           |       |      |               |
| Temp. of deflection under load (0.45 MPa) | 51    | °C   | ISO 75-1/-2   |
| Vicat softening temperature A             | 161   | °C   | ISO 306       |

| Other Properties | Value | Unit              | Test Standard    |
|------------------|-------|-------------------|------------------|
| <b>ISO Data</b>  |       |                   |                  |
| Density          | 1450  | kg/m <sup>3</sup> | Company Standard |

### Characteristics

#### Processing

Injection Molding

#### Delivery form

Pellets, Natural Color

#### Certifications

Contains renewable resources, Biodegradable, Food approval, Food approval 1935/2004/EC, Food approval 10/2011

### Disclaimer

#### Liability Exclusion

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