



## Technical data sheet

**Product name:** AzureFilm 3D Wood Cork Glitter

Date of issue: 04 October 2017

Version: 1.0

### Designation of product, preparation and manufacturer

Trade name: AzureFilm Wood Cork Glitter 1.75mm or 2.85mm diameter

Use of product: Biodegradable 3D Filament suitable for 3D printing. Contains Cork + glitter fibers.

Manufacturer: AzureFilm d.o.o.  
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### Mechanical properties

|                                      |       |                      |                |
|--------------------------------------|-------|----------------------|----------------|
| Modulus of elasticity                | 2,150 | [MPa]                | ISO 527        |
| Tensile strength                     | 39    | [MPa]                | ISO 527        |
| Tensile strain at tensile strength   | 5.4   | [%]                  | ISO 527        |
| Tensile stress at break              | 19    | [MPa]                | ISO 527        |
| Tensile strain at break              | 18    | [%]                  | ISO 527        |
| Notched impact strength (Charpy), RT | 4.6   | [kJ/m <sup>2</sup> ] | ISO 179-1/1 eA |
| Impact Strength (Charpy), RT         | 60    | [kJ/m <sup>2</sup> ] | ISO 179-1/1 eU |

The values listed have been established on standardized test specimens (DIN EN ISO 3167, type A) at standard temperature and humidity conditions.

### Physical properties

|                                 |           |                      |            |
|---------------------------------|-----------|----------------------|------------|
| Melt flow rate (190 °C/2.16 kg) | 2.5 - 5.0 | [g/10 min]           | ISO 1133   |
| Melting temperature             | > 155     | [°C]                 | ISO 3146-C |
| Density                         | n/a       | [g/cm <sup>3</sup> ] | ISO 1183   |

### Printing Recommendations:

**Nozzle temperature: 200 – 230 °C**

**Heated bed: recommended 0-60 °C**

**Print speed: 30 – 100 mm/s**

**Build platform: Blue tape, Kapton tape. Recommended: Glass bed + spray 3D Lac 400ml**

**Recommended nozzle: 0,6mm**

**Recommended layer height: 0,15 - 0,20mm**

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