



## Technical data sheet

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

Date of issue: 04 October 2017

Version: 1.0

### Designation of product, preparation and manufacturer

Trade name: AzureFilm Wood Cork 1.75mm or 2.85mm diameter  
Use of product: Biodegradable 3D Filament suitable for 3D printing. Contains Cork fibers.  
Manufacturer: AzureFilm d.o.o.  
Orleška cesta 16  
6210 Sežana  
Phone: + 386 (0)31 718 800  
Mail: info@azurefilm.com  
Web: www.azurefilm.com

### 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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