

## Technical data sheet

**Product name:** Fibrolon® 3D Bamboo  
**Date of issue:** 04 October 2017

Version: 1.0

### Designation of product, preparation and manufacturer

**Trade name:** Fibrolon® 3D Bamboo  
**Use of product:** Biodegradable compound suitable for the production of 3D printing filaments. Contains bamboo fibers.  
**Manufacturer:** FKUR Kunststoff GmbH  
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### Mechanical properties

Modulus of elasticity	3,200	[MPa]	ISO 527
Tensile strength	47	[MPa]	ISO 527
Tensile strain at tensile strength	4	[%]	ISO 527
Tensile stress at break	34	[MPa]	ISO 527
Tensile strain at break	7	[%]	ISO 527
Notched impact strength (Charpy), RT	4.2	[kJ/m²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	21	[kJ/m²]	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	1.19	[g/cm³]	ISO 1183

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The figures should be regarded as guide values only. Under certain conditions the properties can be influenced to a significant extent by the processing conditions.

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