Technical data sheet

Product name: **Bio-Flex® 3D Clear**
Date of issue: 06 March 2017 Version: 1.0

Designation of product, preparation and manufacturer

Trade name:	Bio-Flex® 3D Clear
Use of product:	Biodegradable polymer compound suitable for the production of 3D printing filaments. The biobased carbon content (BCC) is 90 % (calculated).
Manufacturer:	FKuR Kunststoff GmbH Siemensring 79 D - 47 877 Willich Phone: + 49 (0) 2154 / 92 51-0 Fax: + 49 (0) 2154 / 92 51-51 Mail: info@fkur.com Web: www.fkur.com

Mechanical properties

Modulus of elasticity	3,450	[MPa]	ISO 527
Tensile strength	63	[MPa]	ISO 527
Tensile strain at tensile strength	4	[%]	ISO 527
Tensile stress at break	44	[MPa]	ISO 527
Tensile strain at break	10	[%]	ISO 527

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)	14 - 18	[g/10 min]	ISO 1133
Melt volume rate (190 °C/2.16 kg)	15 - 19	[cm³/10 min]	ISO 1133
Melting temperature	> 155	[°C]	ISO 3146-C
Density	1.25	[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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