

## Technical data sheet

**Product name:** Bio-Flex® S 7711  
**Date of issue:** 14 March 2018

Version: 1.1

### Designation of product, preparation and manufacturer

**Trade name:** Bio-Flex® S 7711  
**Use of product:** Biodegradable polymer compound suitable for profile extrusion. The biobased carbon content (BCC) is > 70% (calculated).  
**Manufacturer:** FKUR Kunststoff GmbH  
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### Mechanical properties

Modulus of elasticity	3,300	[MPa]	ISO 527
Tensile strength	49	[MPa]	ISO 527
Tensile strain at tensile strength	4.5	[%]	ISO 527
Tensile stress at break	19.5	[MPa]	ISO 527
Tensile strain at break	24	[%]	ISO 527
Notched impact strength (Charpy), RT	5.2	[kJ/m <sup>2</sup> ]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	78	[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 - 6.0	[g/10 min]	ISO 1133
Melting temperature	> 155	[°C]	ISO 3146-C
Vicat A softening temperature	112	[°C]	ISO 306
Density	1.36	[g/cm <sup>3</sup> ]	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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