

## Technical data sheet

**Product name:** Bio-Flex® F 9533  
**Date of issue:** 02 November 2015

Version: 2.0

### Designation of product, preparation and manufacturer

**Trade name:** Bio-Flex® F 9533  
**Use of product:** Biodegradable compound suitable for injection moulding application. The biobased carbon content (BCC) is > 85 % (calculated).  
**Manufacturer:** FKUR Kunststoff GmbH  
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### Mechanical properties

Modulus of elasticity	4,600	[MPa]	ISO 527
Tensile strength	50	[MPa]	ISO 527
Tensile strain at tensile strength	3.7	[%]	ISO 527
Tensile stress at break	31	[MPa]	ISO 527
Tensile strain at break	6.6	[%]	ISO 527
Flexural modulus	4,900	[MPa]	ISO 178
Flexural strain at break	3.6	[%]	ISO 178
Flexural stress at 3.5 % strain	50	[MPa]	ISO 178
Notched impact strength (Charpy), RT	2.6	[kJ/m <sup>2</sup> ]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	34.5	[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)	22 - 28	[g/10 min]	ISO 1133
Melt volume rate (190 °C/2.16 kg)	16.5 - 21.0	[cm <sup>3</sup> /10 min]	ISO 1133
Melting temperature	> 155	[°C]	ISO 3146-C
Vicat A softening temperature	63	[°C]	ISO 306
Density	1.45	[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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