

## Technical data sheet

**Product name:** Bio-Flex® F 6711  
**Date of issue:** 14 March 2018

Version: 2.2

### Designation of product, preparation and manufacturer

**Trade name:** Bio-Flex® F 6711

**Use of product:** Biodegradable and compostable compound suitable for cast film extrusion and thermoforming. Certified according EN 13432 with a maximum thickness of 96 µm. The biobased carbon content (BCC) is > 70 % (calculated). Used in applications such as food trays.

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### Mechanical properties

Modulus of elasticity	2,700	[MPa]	ISO 527
Tensile strength	44	[MPa]	ISO 527
Tensile strain at tensile strength	5	[%]	ISO 527
Tensile stress at break	17	[MPa]	ISO 527
Tensile strain at break	29	[%]	ISO 527
Flexural modulus	2,900	[MPa]	ISO 178
Flexural strain at break	no break	[%]	ISO 178
Flexural stress at 3.5 % strain	63	[MPa]	ISO 178
Notched impact strength (Charpy), RT	14	[kJ/m²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	no break	[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)	2.0 - 5.0	[g/10 min]	ISO 1133
Melting temperature	150 - 170	[°C]	ISO 3146-C
Density	1.30	[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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