Technical data sheet

Product name: **Bio-Flex® F 6611**
Date of issue: 25 February 2014

1. Designation of product, preparation and manufacturer

1.1 Trade name: Bio-Flex® F 6611

1.2 Use of product: Biodegradable compound for thermoforming

1.3 Manufacturer:

FKuR Kunststoff GmbH
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2. Mechanical properties

Tensile modulus of elasticity	2740	[MPa]	ISO 527
Tensile strength	47	[MPa]	ISO 527
Tensile strain at tensile strength	5,2	[%]	ISO 527
Tensile stress at break	19	[MPa]	ISO 527
Tensile strain at break	21,5	[%]	ISO 527
Flexural modulus	2840	[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	7,2	[kJ/m²]	ISO 179-1/1 eA
Impact strength (Charpy), RT	no break	[kJ/m²]	ISO 179-1/1 eU
Density	1,29	[g/cm³]	ISO 1183
Bulk density	n/a	[kg/m³]	ISO 60

3. Thermal properties

Melt temperature	150 - 170	[°C]	ISO 3146-C
Vicat A softening temperature	n/a *)	[°C]	ISO 306
Heat distortion temperature HDT B	n/a	[°C]	ISO 75
Melt volume rate (190 °C/2.16 kg)	1.5 - 3.0	[cm³/10 min]	ISO 1133
Melt flow rate (190 °C/2.16 kg)	2.0 - 3.5	[g/10 min]	ISO 1133

*) *) The Vicat softening temperature is dependent upon process parameters. Suitable processing conditions can lead to a Vicat softening temperature above 130 °C .

4. Legal notice

The values listed have been established on standardized test specimens at standard temperature and humidity conditions. 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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