

Technical data sheet

Product name: Bio-Flex® F 6514
Date of issue: 14 March 2018

Version: 1.2

Designation of product, preparation and manufacturer

Trade name: Bio-Flex® F 6514

Use of product: Biodegradable and compostable polymer compound suitable for injection moulding applications. The compound is certified compostable, according to EN 13432, with a thickness up to 96 µm. The biobased carbon content (BCC) is > 70 % (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	2,700	[MPa]	ISO 527
Tensile strength	43	[MPa]	ISO 527
Tensile strain at tensile strength	5	[%]	ISO 527
Tensile stress at break	22	[MPa]	ISO 527
Tensile strain at break	13	[%]	ISO 527
Notched impact strength (Charpy), RT	4	[kJ/m ²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	no break	[kJ/m ²]	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)	17.0 - 22.0	[g/10 min]	ISO 1133
Melt volume rate (190 °C/2.16 kg)	14.5 - 19.0	[cm ³ /10 min]	ISO 1133
Melting temperature	150 - 170	[°C]	ISO 3146-C
Density	1.29	[g/cm ³]	ISO 1183
Shrinkage (Lengthwise / Crosswise)	0.27 / 0.31	[%]	ISO 294-4

Legal notice

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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