

Technical data sheet

Product name: Bio-Flex® F 1138

Date of issue: 06 January 2017 Version: 2.0

Designation of product, preparation and manufacturer

Trade name: Bio-Flex® F 1138

Use of product: Biodegradable and compostable compound for film extrusion, certified according to EN 13432

with a maximum thickness of 60 µm. Used in applications such as T-shirtbags and waste

bags.

Manufacturer: FKuR Kunststoff GmbH

Siemensring 79 D - 47 877 Willich

Web: www.fkur.com

Phone: + 49 (0) 2154 / 92 51-0 Fax: + 49 (0) 2154 / 92 51-51 Mail: info@fkur.com

Mechanical properties

405	[MPa]	ISO 527
16	[MPa]	ISO 527
360	[%]	ISO 527
14	[MPa]	ISO 527
370	[%]	ISO 527
390	[MPa]	ISO 178
no break	[%]	ISO 178
10	[MPa]	ISO 178
	16 360 14 370 390 no break	16 [MPa] 360 [%] 14 [MPa] 370 [%] 390 [MPa] no break [%]

The values listed have been established on standardized test specimens (DIN EN ISO 3167, type A) at standard temperature and humidity conditions.

[MPa]	ISO 527-3
	100 021 0
[MPa]	ISO 527-3
[%]	ISO 527-3
[MPa]	ISO 527-3
[%]	ISO 527-3
V/mm] As	STM D 1922
V/mm] As	STM D 3420
	[MPa] [%] [MPa] [%] \/mm] A:

MD= machine direction, TD = transverse direction

The values listed have been established on films at standard temperature and humidity conditions.

Melt flow rate (190 °C/2.16 kg) Melt volume rate (190 °C/2.16 kg)	2.0 - 5.0 1.5 - 4.0	[g/10 min] [cm³/10 min]	ISO 1133 ISO 1133
Melting temperature	> 155	[°C]	ISO 3146-C
Density	1.47	[g/cm³]	ISO 1183

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.

Neither FKuR Kunststoff GmbH nor its marketing affiliates shall be responsible for the use of this information or of any product, method or equipment mentioned. Customers must undertake their own determination of this product's suitability and completeness for their own use, for the protection of the environment, for the health and safety of their employees and purchasers of their products. No warranty is made of the merchantability or fitness of any product, and nothing herein waives any of the seller's conditions of sale. The current version of General Conditions of Sale of FKuR Kunststoff GmbH is valid.

The brands "FKuR – Plastics made by nature" and "BIO-FLEX" are registered trademarks of FKuR Kunststoff GmbH, according to the international 'Nice-Classifications' (NCL9), no. 01, 02 and 17.