



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Technical data sheet

Product name:

Fibrolon® V 135002 (trial grade)

Date of issue:

18 December 2014

Version: 1.1

Designation of product, preparation and manufacturer

Trade name: Fibrolon® V 135002 (trial grade)

Use of product: Polymer blend based on poly lactid acid, suitable for the production of 3D printing filaments. Contains wood fibers.

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	3,290	[MPa]	ISO 527
Tensile strength	46.0	[MPa]	ISO 527
Tensile strain at tensile strength	4.8	[%]	ISO 527
Tensile stress at break	42	[MPa]	ISO 527
Tensile strain at break	5.5	[%]	ISO 527
Flexural modulus	3,930	[MPa]	ISO 178
Flexural strain at break	5	[%]	ISO 178
Flexural stress at 3.5 % strain	70	[MPa]	ISO 178
Notched impact strength (Charpy), RT	4.2	[kJ/m²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	19.0	[kJ/m²]	ISO 179-1/1 eU
Shore D hardness	n/a	[-]	DIN 53505
Density	1.15	[g/cm³]	ISO 1183
Bulk density	n/a	[kg/m³]	ISO 60

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

Thermal properties

Melting temperature	> 155	[°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)	n/a	[cm³/10 min]	ISO 1133
Melt flow rate (190 °C/2.16 kg)	4.0 - 7.5	[g/10 min]	ISO 1133

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.