

Technical data sheet

Product name: Terralene® LL 1303
Date of issue: 04 January 2017

Version: 2.0

Designation of product, preparation and manufacturer

Trade name: Terralene® LL 1303

Use of product: Biobased linear low density polyethylene, butene copolymer, blended with low density polyethylene. The biobased carbon content (BCC) is > 75% (determined according to ASTM D6866). Suitable for extrusion coating and lamination applications.

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	200	[MPa]	ISO 527
Tensile strength	15	[MPa]	ISO 527
Tensile strain at tensile strength	475	[%]	ISO 527
Tensile stress at break	14	[MPa]	ISO 527
Tensile strain at break	480	[%]	ISO 527
Flexural modulus	180	[MPa]	ISO 178
Flexural strain at break	no break	[%]	ISO 178
Flexural stress at 3.5 % strain	5.7	[MPa]	ISO 178
Notched impact strength (Charpy), RT	68	[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)	2.2 - 3.0	[g/10 min]	ISO 1133
Melt volume rate (190 °C/2.16 kg)	2.7 - 3.7	[cm ³ /10 min]	ISO 1133
Melting temperature	130 - 145	[°C]	ISO 3146-C
Vicat A softening temperature	95	[°C]	ISO 306
Density	0.919	[g/cm ³]	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 brand „FKuR – Plastics made by nature“ is a registered trademarks of FKUR Kunststoff GmbH, according to the international 'Nice-Classifications' (NCL9), no. 01, 02 and 17.

The brand "TERRALENE" is a registered trademark of FKUR Kunststoff GmbH, according to the international 'Nice-Classifications' (NCL9), no. 01 and 02.