

## Technical data sheet

**Product name:** Terralene® LL 1303

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Version: 1.2  
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### 1. Designation of product, preparation and manufacturer

1.1 Trade name:	Terralene® LL 1303 (previously Terralene T 52)
1.2 Description:	Linear low density polyethylene, butene copolymer, blended with low-density polyethylene. Suitable for extrusion coating and lamination applications.
1.3 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

### 2. Mechanical properties

Tensile 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	n.b.	[%]	ISO 178
Flexural stress at 3.5 % strain	5.7	[MPa]	ISO 178
Notched impact strength (Charpy), RT	68	[kJ/m <sup>2</sup> ]	ISO 179-1/1 eA
Impact strength (Charpy), RT	n.b.	[kJ/m <sup>2</sup> ]	ISO 179-1/1 eU
Density	0.919	[g/cm <sup>3</sup> ]	ISO 1183
Bulk density	n/a	[kg/m <sup>3</sup> ]	ISO 60

### 3. Thermal properties

Melt temperature	130 - 145	[°C]	ISO 3146-C
Vicat A softening temperature	95	[°C]	ISO 306
Heat distortion temperature HDT B	n/a	[°C]	ISO 75
Melt volume rate (190°C/2.16 kg)	3.2 - 4.0	[cm <sup>3</sup> /10 min]	ISO 1133
Melt flow rate (190°C/2.16 kg)	2.4 - 3.0	[g/10 min]	ISO 1133

### 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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