

## Technical data sheet

**Product name:** Terralene® HD 2305  
**Date of issue:** 05 January 2017

Version: 1.0

### Designation of product, preparation and manufacturer

**Trade name:** Terralene® HD 2305  
(previously Terralene® T 141)

**Use of product:** Polymerblend of biobased linear low density and biobased high density ethylene-1-butene-copolymer with low density polyethylene. The biobased carbon content (BCC) is > 70 % (calculated). Suitable for extrusion coating and lamination.

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### Mechanical properties

Modulus of elasticity	525	[MPa]	ISO 527
Tensile strength	15	[MPa]	ISO 527
Tensile strain at tensile strength	20	[%]	ISO 527
Tensile stress at break	no break	[MPa]	ISO 527
Tensile strain at break	> 500	[%]	ISO 527
Flexural modulus	420	[MPa]	ISO 178
Flexural strain at break	no break	[%]	ISO 178
Flexural stress at 3.5 % strain	9	[MPa]	ISO 178
Notched impact strength (Charpy), RT	31	[kJ/m <sup>2</sup> ]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	no break	[kJ/m <sup>2</sup> ]	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)	5.0 - 6.0	[g/10 min]	ISO 1133
Melt volume rate (190 °C/2.16 kg)	6.5 - 8.0	[cm <sup>3</sup> /10 min]	ISO 1133
Melting temperature	130 - 145	[°C]	ISO 3146-C
Density	0.933	[g/cm <sup>3</sup> ]	ISO 1183

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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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