

## Technical data sheet

**Product name:** Terralene® HD 3505  
**Date of issue:** 18 June 2018

Version: 2.0

### Designation of product, preparation and manufacturer

**Trade name:** Terralene® HD 3505

**Use of product:** Polyethylene blend with biobased high density polyethylene. The biobased carbon content (BCC) is 64 % (determined according to ASTM D6866). Suitable for injection moulding applications such as closures, houseware and packaging.

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### Mechanical properties

Modulus of elasticity	1,035	[MPa]	ISO 527
Tensile strength	25	[MPa]	ISO 527
Tensile strain at tensile strength	12.5	[%]	ISO 527
Tensile stress at break	no break	[MPa]	ISO 527
Tensile strain at break	> 450	[%]	ISO 527
Flexural modulus	945	[MPa]	ISO 178
Flexural strain at break	no break	[%]	ISO 178
Flexural stress at 3.5 % strain	18.5	[MPa]	ISO 178
Notched impact strength (Charpy), RT	5	[kJ/m²]	ISO 179-1/1 eA

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)	6.0 - 8.5	[g/10 min]	ISO 1133
Melt volume rate (190 °C/2.16 kg)	7.5 - 11.5	[cm³/10 min]	ISO 1133
Melting temperature	130 - 145	[°C]	ISO 3146-C
Vicat A softening temperature	125	[°C]	ISO 306
Density	0.959	[g/cm³]	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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