

## Technical data sheet

**Product name:** Terralene® HD 3722  
**Date of issue:** 03 January 2018

Version: 1.0

### Designation of product, preparation and manufacturer

**Trade name:** Terralene® HD 3722

**Use of product:** Biobased high density polyethylene reinforced with mineral fillers. The biobased carbon content (BCC) is > 95 % (calculated). Suitable for cast film extrusion, thermoforming and profile extrusion.

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### Mechanical properties

Modulus of elasticity	1,450	[MPa]	ISO 527
Tensile strength	23	[MPa]	ISO 527
Tensile strain at tensile strength	10.5	[%]	ISO 527
Tensile stress at break	9	[MPa]	ISO 527
Tensile strain at break	115	[%]	ISO 527
Notched impact strength (Charpy), RT	6.7	[kJ/m <sup>2</sup> ]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	165	[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)	1.2 - 2.5	[g/10 min]	ISO 1133
Melt volume rate (190 °C/2.16 kg)	1.3 - 2.8	[cm <sup>3</sup> /10 min]	ISO 1133
Melting temperature	130 - 140	[°C]	ISO 3146-C
Density	1.08 - 1.10	[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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