

Technical data sheet

Product name: Terralene® HD 3400
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Version: 1.0

Designation of product, preparation and manufacturer

Trade name: Terralene® HD 3400
Use of product: Biobased high density polyethylene, suitable for extrusion blow moulding. Contains additives. The biobased carbon content (BCC) is > 95 % (calculated).
Manufacturer: FKUR Kunststoff GmbH
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Mechanical properties

Modulus of elasticity	875	[MPa]	ISO 527
Tensile strength	27	[MPa]	ISO 527
Tensile strain at tensile strength	14	[%]	ISO 527
Tensile stress at break	11	[MPa]	ISO 527
Tensile strain at break	55	[%]	ISO 527
Notched impact strength (Charpy), RT	38	[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/21.6 kg)	19 - 21	[g/10 min]	ISO 1133
Melting temperature	130 - 145	[°C]	ISO 3146-C
Density	0.956	[g/cm ³]	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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