

Technical data sheet

Product name: Terralene® HD 2508
Date of issue: 31 January 2019

Version: 1.0

Designation of product, preparation and manufacturer

Trade name: Terralene® HD 2508
(previously Terralene T 363)

Use of product: Modified biobased high density polyethylene, suitable for injection moulding applications such as lunchboxes. The biobased carbon content (BCC) is 75 % (calculated).

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Mechanical properties

| | | | |
|--------------------------------------|------|----------------------|----------------|
| Modulus of elasticity | 600 | [MPa] | ISO 527 |
| Tensile strength | 16.5 | [MPa] | ISO 527 |
| Tensile strain at tensile strength | 16 | [%] | ISO 527 |
| Tensile stress at break | 7 | [MPa] | ISO 527 |
| Tensile strain at break | 200 | [%] | ISO 527 |
| Notched impact strength (Charpy), RT | 6 | [kJ/m ²] | 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) | 20 | [g/10 min] | ISO 1133 |
| Melting temperature | 130 - 145 | [°C] | ISO 3146-C |
| Heat distortion temperature HDT B | 55 | [°C] | ISO 75 |
| Density | 0.93 | [g/cm ³] | ISO 1183 |

Legal notice

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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