

Technical data sheet

Product name: Terralene® PP 3509
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Version: 1.1

Designation of product, preparation and manufacturer

Trade name: Terralene® PP 3509
Use of product: Polypropylen copolymer blend with biobased high density polyethylene. The biobased carbon content (BCC) is 33 % (calculated). Suitable for injection moulding applications such as bins.
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Mechanical properties

Modulus of elasticity	1,100	[MPa]	ISO 527
Tensile strength	24	[MPa]	ISO 527
Tensile strain at tensile strength	11	[%]	ISO 527
Tensile stress at break	24	[MPa]	ISO 527
Tensile strain at break	13	[%]	ISO 527
Notched impact strength (Charpy), RT	3.5	[kJ/m²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	73	[kJ/m²]	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 (230 °C/2.16 kg)	34 - 40	[g/10 min]	ISO 1133
Melting temperature	160 - 165	[°C]	ISO 3146-C
Density	0.916	[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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