

Technical data sheet

Product name: Bio-Flex® S 7514
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Version: 1.0

Designation of product, preparation and manufacturer

Trade name: Bio-Flex® S 7514
Use of product: Biodegradable polymer compound suitable for injection moulding, cast film extrusion and thermoforming. The biobased carbon content (BCC) is > 75 % (calculated).
Manufacturer: FKUR Kunststoff GmbH
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Mechanical properties

Modulus of elasticity	3,100	[MPa]	ISO 527
Tensile strength	47	[MPa]	ISO 527
Tensile strain at tensile strength	5.7	[%]	ISO 527
Tensile stress at break	20	[MPa]	ISO 527
Tensile strain at break	14	[%]	ISO 527
Notched impact strength (Charpy), RT	3.5	[kJ/m²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	38	[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 (190 °C/2.16 kg)	25.0 - 30.0	[g/10 min]	ISO 1133
Vicat A softening temperature	110	[°C]	ISO 306
Melting temperature	> 155	[°C]	ISO 3146-C
Density	1.37	[g/cm³]	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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