

Technical data sheet

Product name: Bio-Flex® F 6710

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Version: 1.0

Designation of product, preparation and manufacturer

Trade name: Bio-Flex® F 6710

Use of product: Biodegradable compound suitable for cast film extrusion and thermoforming. The biobased carbon content (BCC) is > 70 % (calculated). Used in applications such as food trays.

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Mechanical properties

Modulus of elasticity	3,000	[MPa]	ISO 527
Tensile strength	47	[MPa]	ISO 527
Tensile strain at tensile strength	4	[%]	ISO 527
Tensile stress at break	17	[MPa]	ISO 527
Tensile strain at break	34	[%]	ISO 527
Notched impact strength (Charpy), RT	8	[kJ/m²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	215	[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

Melting temperature	150 - 170	[°C]	ISO 3146-C
Vicat A softening temperature	62	[°C]	ISO 306
Density	1.30	[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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