

Technical Data Sheet of the Type Biofibre® Sustra

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1 Mechanical properties*¹

Material property	Value	Unit	Test method	Comment
E-Modulus	1500	MPa	DIN EN ISO 527-2	Tensile testing (1 mm/min)
Yield Strength	22	MPa	DIN EN ISO 527-2	Tensile testing (10 mm/min)
Elongation at yield	6.0	%	DIN EN ISO 527-2	Tensile testing (10 mm/min)
Tensile strength	20	MPa	DIN EN ISO 178	Three point flexural test
Strain at break	10.4	%	DIN EN ISO 178	Three point flexural test

*¹ mechanical testing on injection molded and standardized multipurpose test specimens (DIN EN ISO 527, Type 1A) conducted at standardized climate (23 °C, 50 % rel. humidity)

2 Thermal properties

Material property	Value	Unit	Test method	Comment
Melting range	190	°C	-	DSC, 10 °C / min

3 Sonstige Eigenschaften

Material property	Value	Unit	Test method	Comment
Color	nature / brownish	-	-	colorable
Density	1.26	g / cm ³	-	Injection molded part
Bulk density	600	kg / m ³		
Water absorption capacity	< 0,5	%	DIN EN ISO 62	Related to dry sample
Primary processing method				Injection molding

4 Disclaimer

The information in this Technical Data Sheet (TDS) is believed to be correct as of the date issued. Values were obtained according to standardized test methods. 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. Biofibre makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. Customers are responsible for determining whether the Biofibre product is fit for a particular purpose and suitable for user's method of use or application as well as for the protection of the environment, for the health and safety of their employees and purchasers of their products. Given the variety of factors that can affect the use and application of a Biofibre product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Biofibre product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Biofibre provides information in electronic form as a service to its customers.