

Technical Data Sheet of the Type Biofibre® Solva

Date of issue: 26/06/2018
Revised on: -
Valid from: 26/06/2018
Version: 1.0

Replaces Version: -



1 Mechanical properties*1

Material property	Value	Unit	Test method	Comment
E-Modulus	1800	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	2.3	%	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	2.4	%	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	150	°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

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