

Provisional Technical Data Sheet

vibers™ BP CTS0260

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Version 05

Issue date : 28-01-2020

Revision date : 19-10-2020

Note

vibers™ BP CTS0260 can be processed on most standard conversion machines. For general processing information, please refer to our processing guidelines. Our technical services department is available to discuss your requirements.

Disclaimer

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.

Packaging

20kg bags.

Identification: Grade name, Batch nr. and weight.

Application and properties

vibers™ BP CTS0260 is a biobased Miscanthus fiber filled compound.

The biobased carbon content (BCC) is > 95% (calculated).

vibers™ BP CTS0260 is developed for injection molding and has a natural appearance with visible fiber.

Parameter	Guide value	Unit	Test method
Mechanical properties			
Modulus of elasticity	1845	Mpa	ISO 527
Tensile strength	26	Mpa	ISO 527
Tensile strain at tensile strength	7.5	%	ISO 527
Tensile stress at break	24	Mpa	ISO 527
Tensile strain at break	16	%	ISO 527
Notched impact strength (Charpy), RT	2.2	[kJ/m ²]	ISO 179-1/1 eA
Impact Strength (Charpy), RT	36	[kJ/m ²]	ISO 179-1/1 eU
Flexural modulus	1745	Mpa	ISO 178
Flexural strain at break	no break	%	ISO 178
Flexural stress at 3.5 % strain	25	Mpa	ISO 178
Other properties			
Melt flow rate (190 °C/2.16 kg)	13 - 15 *	g/10 min]	ISO 1133
Melting temperature	130 - 140	°C	ISO 3146-C
Density	1.07	g/cm ³	ISO 1183

Pls. Note: The data in this table are based on compound properties without fibres.

*Value for Melt flow rate may not be representative for the material flow as the fibers could disturb the measurement

The values listed have been established on standardized test specimens (DIN or ISO 3167, type A) at standard temperature and humidity conditions.

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