

Provisional Technical Data Sheet

vibers™ BP CTS0230 IM

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Version 03

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Note

vibers™ BP CTS0230 IM 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 CTS0230 IM is a biodegradable Miscanthus fiber filled compound.

The biobased carbon content (BCC) is > 75% (calculated).

vibers™ BP CTS0230 IM is developed for injection molding and has a natural appearance with visible fiber.

Parameter	Guide value	Unit	Test method
Mechanical properties			
Modulus of elasticity	3100	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/m ²	ISO 179-1/1eA
Impact Strength (Charpy), RT	38	kJ/m ²	ISO 179-1/1eU
Other properties			
Melt flow rate (190°C/2.16kg)	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/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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