

## Provisional Technical Data Sheet

# vibers™ BP06022112EX

## Application and properties

vibers™ BP06022112EX is a biodegradable Miscanthus fiber filled compound.

vibers™ BP06022112EX is developed for extrusion.

Parameter	Guide value	Unit	Test method
<b>Mechanical properties</b>			
E-modulus	2.6	Gpa	ISO 527
Tensile strength at break	25	Mpa	ISO 527
Tensile strain at break	4.6	%	ISO 527
Tensile stress at max	27	Mpa	ISO 527
Flexural modulus	2.6	Gpa	ISO 178
Flexural strength	50	Mpa	ISO 178
Flexural strain at break	6.6	%	ISO 178
<b>Other properties</b>			
MFI (170 °C/2.16kg)	8,0*	g/10 min	ISO 1133
T melt	>150	°C	ISO 3146-C
Shore D	80-90		ISO 868

\*MFI value may not be representative for the material flow as the fibers could disturb the MFI measurement

The values listed have been established on standardized test specimens (DIN EN ISO 3167, type A)

## General characteristics

Prospective clients should evaluate vibers™ BP06022112EX in their own laboratories to establish optimal conditions for use in their processes and applications.

Parameter	Guide value	Unit	Test method
Appearance	Natural with visible fiber		Visual
Density	1.3	g/cm <sup>3</sup>	ISO 1183
Bulk density	0.8	g/cm <sup>3</sup>	ISO 60
Moisture content	0.3 - 1.2	%	Internal method

No need for drying granulate before use.

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### Note

vibers™ BP06022112EX can be processed on most standard conversion machines, preferably with a low shear screw design and low temperature settings. For general processing information, please refer to our processing guideline. Our technical services department is available to discuss your requirements.

### Remarks & other information

Figures and data are intended as a guide and should not be used in preparing end specifications. The properties given must be regarded for guidance purposes only. Consequently the material has to be processed in accordance with our guidelines.

### Transport, storage and shelflife

vibers™ BP06022112EX must be stored in a cool dry place, out of direct sunlight and protected against humidity. After use bags should be sealed back.

vibers™ BP06022112EX should be maintained in a closed bag and processed within several hours after opening.

### Packaging

1000 kg Octabins with alu inliner.

For more information please contact:

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