

## Provisional Technical Data Sheet

# vibers™ BP060222 & vibers™ BP06022214IM

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Version 06

Issue date : 07-06-2018

Revision date : 19-10-2020

### Note

For general product information, please refer to our technical datasheets. Our technical services/department is available to discuss your requirements.

### Additional information

This information is intended as a guideline for the injection molding of vibers™ BP06022214IM/ BP060222. The document contains generalized information for safety, processing guidelines and tooling. Processing and use of vibers™ BP06022214IM/ BP060222 is the sole responsibility of the purchaser. All legal and other regulations must be complied with. Since injection molding covers a broad range of applications and products, an experimental approach at your facility will have to determine what tooling and mode of operation will work best. Testing of the end products is also recommended in order to make sure it meets customer requirements.

### Packaging

1000kg octabins with alu inliner BP060222 & 25kg bags BP06022214IM 1000kg/pallet.

Identification: Grade name, Batch nr. and weight.

### Transport, storage and shelflife

vibers™ BP06022214IM/ BP060222 must be stored in a cool dry place, out of direct sunlight and protected against humidity. After use bags should be sealed back.

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## Application and properties

vibers™ BP06022214IM/ BP060222 are a biodegradable Miscanthus fiber filled compound. The biobased carbon content (BCC) is > 70% (calculated).

vibers™ BP06022214IM/ BP060222 is developed for injection molding and has a natural appearance with visible fiber.

Parameter	Guide value	Unit	Test method
<b>Mechanical properties</b>			
E-modulus	3.0	Gpa	ISO 527
Tensile strength at break	32	Mpa	ISO 527
Tensile strain at break	2.5	%	ISO 527
Tensile stress at max	32	Mpa	ISO 527
Flexural modulus	3.0	Gpa	ISO 178
Flexural strength	55	Mpa	ISO 178
Flexural strain at break	3.0	%	ISO 178
<b>Other properties</b>			
MFI (170°C/2.16kg)	10*	g/10 min	ISO 1133
Vicat A softening temperature	54	°C	ISO 306
T melt	>150	°C	ISO 3146-C
Density	1.25	g/cm³	ISO 1183
Moisture content	1.7-2.7	%	Internal method

N.A.= Not applicable

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

\* 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 or ISO 3167, type A) at standard temperature and humidity conditions.

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.

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