

Provisional Technical Data Sheet

vibers™ BP060221

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Version 05

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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 extrusion of vibers™ BP060221. The document contains generalized information for safety, processing guidelines and tooling. Processing and use of vibers™ BP060221 is the sole responsibility of the purchaser. All legal and other regulations must be complied with. Since extrusion 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

1000 kg octabins with alu inliner.

Identification: Grade name, Batch nr. and weight.

Transport, storage and shelflife

vibers™ BP060221 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™ BP060221 is a biodegradable Miscanthus fiber filled compound.

The biobased carbon content (BCC) is > 60% (calculated).

vibers™ BP060221 is developed for extrusion and has a natural appearance with visible fiber.

Parameter	Guide value	Unit	Test method
Mechanical properties			
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
Other properties			
MFI (170 °C/2.16kg)	8,0*	g/10 min	ISO 1133
Vicat A softening temperature	54	°C	ISO 306
T melt	>150	°C	ISO 3146-C
Density	1.3	g/cm ³	ISO 1183
Bulk density	0.8	g/cm ³	ISO 60
Moisture content	< 1.2	%	Internal method

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 EN ISO 3167, type A) at standard temperature and humidity conditions.

Prospective clients should evaluate vibers™ BP060221 in their own laboratories to establish optimal conditions for use in their processes and applications.

No need for drying granulate before use.