

Provisional Technical Data Sheet

vibersTM Extruded Sheet

from BP JTV0221

Application and properties

VibersTM Extruded Sheets are biodegradable Miscanthus fiber filled thermoplastic material. The biobased carbon content (BCC) is > 60% (calculated).

vibersTM Extruded TPS Sheets are high impact strength, fair scratch resistance. Have a good rigidity, good thermoformable properties and a natural appearance with visible fibre.

Parameter	Guide value	Unit	Test method
General Characteristics			
Density	-1.3	g/cm ³	ISO 1183
Mold shrinkage	< 1	%	ISO 294-4
Thickness	0.7 - 5.0	mm	Commercial range

Parameter	Guide value	Unit	Test method
Mechanical properties MD (0.8 mm)			
Secant modulus MD	1.2	GPa	ISO 527
Tensile stress MD	26	MPa	ISO 527
Tensile stress at yield MD	26	MPa	ISO 527
Strain at yield MD	4	%	ISO 527
Strain at break MD	6	%	ISO 527
Mechanical properties CD (0.8 mm)			
Secant modulus CD	0.75	GPa	ISO 527
Tensile stress CD	16	MPa	ISO 527
Tensile stress at yield CD	16	MPa	ISO 527
Strain at yield CD	3.5	%	ISO 527
Strain at break CD	5.7	%	ISO 527

Certification	Description	Test method
Environmental features:		
Industrial Composting	TUV OK Compost	EN13432
Vibers BPJTV0221 can be fermented (giving Methane gas) in a High Solids Anaerobic biodegradation test (HSAD)	Vibers does fulfill the requirements on material characteristics, biodegradation and compost quality (including ecotoxicity) as defined by OK compost INDUSTRIAL EN 13432 (2000), thickness below 0.38 mm	ISO 15985 ASTM D5511

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Note

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