Technical datasheet

Compound WoodFill

colorFabb

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Do you want your end products to look less like plastic and more like nature? Consider using our compound woodFill, PLA/PHA based and easy to process. Also you'll get the typical woodshop smell during printing as a free bonus.

Our Compound woodFill contains recycled wood fibers. This is combined with our signature PLA/PHA which makes compound woodFill a true biobased material.

Compared to compound Vibers PLA, compound woodFill is light brown in color. Please note that due to different batches of wood fibers slight color differences can occur between batches. This is the nature of… well, nature.

TYPICAL MATERIAL PROPERTIES – Injection molded

Physical properties	Unit	Value	Method
Density	g/cm3	1,15	ISO 1183
Modulus of elasticity	MPa	3290	ISO 527
Tensile strength	MPa	46	ISO 527
Tensile strain at tensile strength	%	4,8	ISO 527
Tensile stress at break	MPa	42	ISO 527
Tensile strain at break	%	5,5	ISO 527
Flexural modulus	MPa	3930	ISO 178
Flexural strain at break	%	5	ISO 178
Flexural stress at 3.5% strain	MPa	70	ISO 178
Notched impact strength (Charpy), RT	kJ/m²	4,2	ISO 179-1/1 eA
Impact strength (Charpy), RT	kJ/m²	19,0	ISO 179-1/1 eU
Melting temperature	ºC	>155	ISO 3146-C

GUIDELINES FOR PROCESSING

Processing temperature	170 - 190°C
Drying advice	55 °C for 6 hours

Disclaimer
The product- and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.

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