

FGF Light Wood

FGF Light Wood is a modified PLA based granule, that smells and feels like wood. Light Wood is easy to print at a low temperature.

Material features:

- Feels and smells like wood
- Easy to print at low temperature
- Very low warping

Colours:

Colours on request. Ask your accountmanager.

Packaging:

FGF Light Wood is available in 20kg bag

Processing recommendations

Drying	8hr,50°C*. <250ppm
Zone 1 Temperature	160±20 °C
Zone 2 Temperature	180±20 °C
Zone 3 Temperature	200±20 °C
Mass temperature	181 °C
Die temperature	205±20 °C

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,2 g/cc
MFR 200°C/5 kg	ISO 1133	5 g/10min
Tensile Strength at Yield	ISO 527	37 Mpa
Tensile Strength at Break	ISO 527	37 Mpa
Elongation-Strain at Yield	ISO 527	2%
Elongation-Strain at Break	ISO 527	2%
Tensile modulus	ISO 527	4180 Mpa
Impact strength - Charpy notched 23°C	ISO 179	7 kJ/m2
Vicat softening temperature	ISO 306	N/A
Mold shrinkage	Internal method (ISO 294-4 based)	N/A

Additional info:

*As PLA materials crystallize, it is advised to either have an agitated dryer, or dry at a lower temperature for a longer period. This avoids that the pellets stick to each other during drying. Avoid prolonged residence time in the extruder, as this can degrade the resin in the fibres.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.