

# FGF PLA Satin

FGF PLA SATIN is a PLA based material developed for its silky and smooth shine. It increases the perception of colour brilliance and disperses light when viewed from different angles giving a unique glossy effect. Slower printing and low temperature improves the silky effect. FGF PLA SATIN is suitable for all printers and prints very easily.

## Material features:

- High light reflection
- Smooth and silky
- Easy to print

## Colours:

Colours on request. Ask your accountmanager.

## Packaging:

FGF PLA Satin is available in 20kg bag

## Processing recommendations

Drying		8hr,50°C*. <250ppm
Zone 1 Temperature		175±20 °C
Zone 2 Temperature		200±20 °C
Zone 3 Temperature		215±20 °C
Mass temperature		214 °C
Die temperature		250±20 °C

## Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,24 g/cc
MFR 200°C/5 kg	ISO 1133	12,2 g/10min
Tensile Strength at Yield	ISO 527	64 Mpa
Tensile Strength at Break	ISO 527	64 Mpa
Elongation-Strain at Yield	ISO 527	2,4%
Elongation-Strain at Break	ISO 527	2,5%
Tensile modulus	ISO 527	3350 Mpa
Impact strength - Charpy notched 23°C	ISO 179	1,1 kJ/m2
Vicat softening temperature	ISO 306	57,8°C
Mold shrinkage	Internal method (ISO 294-4 based )	0,14%

## Additional info:

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