

StoneFil

StoneFil is a PLA-based filament which is based on our modified and easy-to-print EasyFil PLA compound and is gravimetrically filled with 50% of powdered stone.

This high “stone filling” has resulted in a 3D printer filament with remarkable aesthetic features and a significant higher material density up to 37% higher than “normal” PLA. StoneFil is an easy-to-print 3D printer filament and printed objects have an extremely matte stone-like finish with unique natural gradient colour linings resulting in an exceptional chromatic spectrum per print. Every StoneFil printed object will have its own identity and unique gradient colour shading.

Unique features

- Easy-to-print
- 50% gravimetric powdered stone filling
 - ±37% heavier than “normal” PLA
- Matte and rough stone-like finish
- Unique natural/organic gradient colour linings
 - Every print has its unique natural stone gradient colour shading

General printing guidelines *

Nozzle size: ≥ 0.4mm	Layer height: ≥ 0.12mm	Flow rate: ± 110%
Print temp: ± 200 - 240° C	Print speed: High / Medium	Retraction: Yes - 5mm
Heat bed: ± 0 - 60° C	Fan speed: 50-100%	

**) Above displayed settings are meant as guidance to find your optimal print settings. These ranges in settings should work for most printers, but please do feel free to experiment outside these ranges if you think it is suitable for your printer. There are a lot of different type of printers, hot-ends and printer offsets that it is extremely difficult to give an overall one-size-fits-all setting.*

Abrasiveness

StoneFil has a very high filling with stone powders and therefore the filament can have a slightly more abrasive effect on brass nozzles than unfilled filaments.

Filament length

	50 gr coil	0.5 Kg spool
Ø 1.75mm	± 12.2m	± 122m
Ø 2.85mm	± 4.6m	± 46m

Product export information





HS Code: 39169090	Description: Monofilament	Country of origin: the Netherlands
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**) FDA compliant filament is specifically made of FDA compliant polymers for direct food contact/containers or raw plastic material for 3D Printing Prototyping and Manufacturing. This filament is made to meet the requirements for the use in Food Contact Articles. Please note that the filaments do not have an actual FDA listing number.*

**) RoHS & REACH compliance in accordance with: RoHS Directive 2011/65/EC -&- REACH Directive 1907/2006/EC.*

Product images

StoneFil™ - Concrete	StoneFil™ - Pottery Clay	StoneFil™ - Terracotta	StoneFil™ - Granite
			





- **Watertight printing as of 6 shells**
 - For planters and flowerpots 4 shells will be sufficient



- **Printing in fine detail**
- **Matte and rough stone-like finish**

Print with unique natural/organic gradient colour linings/shadings



Great aesthetics in combination with EasyWood and/or dual extrusion stone printing

