2) product info – how to use

GROWLAY comes in two versions
1. white: `pure porous`
2. brown: `porous +woodparticles`

1. **print your object**
2. **rinse the object 2-3 days in water**
3. **let seed or spores grow on it**

- After printing, rinse your object for 2-3 days in water. Now put seeds or whatever you want to grow on it.
- Dry it object with a cold air fan, not in oven.
- Put seeds or whatever you want to grow on it and moisten it or not.
- Print with low filling (max. 35%) and 2-3 perimeters for fast rinsing.

Experimental filament - do not ask which printer or hotend or retract parameters are the best to use GROWLAY.
do experiments – share results with community

polymercomposítion is biodegradable and a company secret
patent pending 2018

3) special printing info

GROWLAY-white **pure porous**		GROWLAY-brown **+woodparticles**
special printing info for experienced users only !		**special printing info**
- is a white filament - print range from: 85* - 135°C** - clean your nozzle restless from material printed before - set software being able to print and feed filament below 100°C - print at cold ! plattform, cold build-room - dry max at 45°C if filament became a bit wet - sticks perfect at all grounds - loose white powder on surface of filament is harmless carbonhydrate - use short retract only (max. 2mm) - after printing leave filament in hotend until it´s cold (+wait 10 min.) - to remove filament heat the hotend up to max. 60°C and pull it out, - higher temperatures will leave sticky residue in the heatbreak, that you would need to drill out, if happens, in case of full metal hotend why such a temp-range ? - * 85°C generelly lower temps for full metal hotends and bigger diameter of nozzle (f.e. 0.6mm) - ** 135°C higher temps for smaller nozzle diameters (f.e. 0.3 -0.4mm) and if using hotends with PTFE inliner - small objects need to be blown on with a fan temps over 160° will make the filament totally liquid and dripping		- is a brown filament - print at: 235-250°C - at cold ! plattform, - cold build-room; - dry if filament if became soft and bendable, at max 75°C, - in delivery form it is a bit brittle - sticks at most ground-primers, laques etc. - the filament can be printed just easy as Laywood,
<u>1.75mm</u> - as a beta version 1.75mm filaments comes unfortunately in variation of diameter from ~1.45 mm to 1.8 mm - rough surface - is not as easy to print with bowden extruders - filament can be fast grinded at the hobbed bolt if the feed somewhere is blocked - the 2.75mm filament works of course easier experimental filament for experienced users !	<u>2.85 mm</u> works fine, also with bowden	

CC – PRODUCTS
Auenweg 173 / 10
51063 Köln . Germany
kp@cc-products.de
Tel: +49-221-510 47 53