

KODAK 3D Printing Filament PLA+ (Polylactic acid)

Benefits:

- Ideal ABS substitute for many tasks.
- Very low shrinkage.

Main applications:

Concept modeling.

Description:

PLA+ is an improved version of PLA, suitable for replacing ABS in many aspects. It provides great visual quality and has very low shrinkage and warp. Its high impact resistance is similar to that of ABS and is ideal for high resolution or fast printing. It has fast crystallization, which enables printing without support and with very fine detail. We use pure grade Ingeo™ certified resins to ensure the best printing results. Our filament has passed a defined set of tests performed by NatureWorks to ensure the product quality. Post-annealing in the range of 80-130°C can be used to promote crystallization and improve the heat deflection temperature of the 3D printed part. This grade of PLA by NatureWorks may be used in food packaging materials and, as such, is a permitted component of such materials pursuant to section 201(s) of the Federal, Drug, and Cosmetic Act, and Parts 182, 184, and 186 of the Food Additive Regulations.

Recommended printer settings

Print temperature: 210-240 °C.
Print bed temperature: 50-70 °C.
Fans: on (except first layer).
Closed environment: not required.

Tolerance

Diameter	Diameter tolerance	Roundness accuracy	Moisture content
1.75 mm	+/- 0.02 mm	99%	< 0.02%
2.85 mm	+/- 0.03 mm		

Physical properties

Description	Value	Test method
Density	1.24 g/cm ³	ISO 1183/B
Melt Mass-Flow Rate (MFR) (200°C/21.6kg)	8 g/10 min	ASTM 1238