

KODAK 3D Printing Filament

Nylon 12 (Polyamide 12)

Benefits:

- Extremely tough with superior tensile strength, elongation at break and impact strength, high fatigue endurance and low friction coefficient.
- Very low warping and moisture absorption before and after printing.
- Superior chemical, UV and heat resistance (over 120°C).

Main application:

High fatigue, snap fits, functionally strong parts with high resistance to environmental stress.

Description:

Ideal material for durable parts, Nylon 12 is the best choice for printing high-stress working mechanisms. It is much less hygroscopic than Nylon 6 and extremely stable both thermally and chemically. It shows excellent physical properties, such as flexibility in thin walls and superior mechanical resistance.

Do not use in direct contact with food.

Recommended printer settings

Print temperature: 255-275°C.
Print bed temperature: 90-110°C.
Fans: off.
Closed environment: Recommended.

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	1.01 g/cm ³	ISO 1183/B
Melting Temperature (10°C/min)	178°C	ISO 11357-1/-3