



BEE SUPPLIES



NYLON

This filament is produced by our partners, Filkemp, and is a 3D printing filament with superior performance, ideal for industrial modeling and prototyping.

It was designed to be easy to print and does not require heated bed.

NYLON Filament - Ø1.75mm | Spool Weight - 1Kg



BLACK



CLEAR



RED

Advantages of NYLON

- Impact resistant
- Good thermal durability
- Semi-flexible
- Durable
- Machinable
- Smooth surface
- Low shrinkage
- Odorless

NYLON Applications

- Industrial modeling and prototyping
- Impact-protective components
- Jigs
- Machinable parts
- Fatigue endurance models and objects



TECHNICAL SPECIFICATIONS

Diameter	1.75mm	1.65 - 1.75mm
Roundness deviation		max 3%
Density ⁽¹⁾		1,25 g/cm ³
Melting Point ⁽²⁾		185 - 195°C
Tenacity ⁽³⁾		Min. 35.0 cN/tex
Tensile Strength ⁽³⁾		Min. 100 daN
Elongation ⁽³⁾		Max. 35.0 ± 5.0%

TEST METHOD (ASTM)

(1) - DIN 1183 (2) - DIN EN ISO 11357, 20°C/min
(3) - DIN EN ISO 2062, L=500mm, V=500mm/min

3D PRINTING SPECIFICATIONS

Suggested print temperature	225-235°C
Suggested print speed	30-40mm/s
Suggested bed temperature	not needed
Advised Fan air	0% (off)

IMPORTANT NOTE:

Always store in an airtight container with desiccant. Nylon is very hygroscopic (absorbs water from the air). Filkemp Nylon absorbs water at a lower rate than other nylon filaments. Nevertheless, if not correctly stored, it will eventually absorb so much water that will affect the layer adhesion and weaken the printed object. It will also ruin the surface finish. At this point the filament must be dried.