

PRODUCT NAME: FILAMENT 3D PA + 15CF 1,75mm

PRODUCT DESCRIPTION: PA + 15CF filament - a thermoplastic polymer in the form of a line, designed for 3D printing using the FFF/FDM method. Filament coiled on spools, closed in a vacuum with a moisture absorber. Packaged in a carton box.

PHYSICAL PARAMETERS OF THE PRODUCT

Diameter (mm)	1,75 mm
Diameter tolerance (mm)	+/-0,05 mm
Oval tolerance (mm)	+/-0,02 mm
Net weight (g)	500 g
Gross weight (g)	~800 g
Finish	Mat
Packaging	Carton size ~ 225mm x 210mm x75mm
The dimensions of the spool	200mm x 55mm, hole 52mm



RECOMMENDED PRINTING PARAMETERS

Print temperature (°C)	250-290°C
Table temperature (°C)	100-120°C

PHYSICAL PARAMETERS OF PA + 15CF

- Density: 1,05 g/cm³
- Odor: odorless
- Charpy impact strength:

Without notch - 55 kJ/m² (ISO 179-1eU)

With notch - 15 kJ/m² (ISO 179-1eA)

- Tensile elongation (speed 5 mm/min, to break): 7 % (ISO 527)
- Tensile strength (speed 5 mm/min, to break): 50 MPa (ISO 527)
- Tensile modulus (speed 1 mm/min): 3650 MPa (ISO 527)
- Vicat softening temperature: 168°C (ISO 306)