

## Technical datasheet

# colorFabb PA NEAT

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ColorFabb PA NEAT is a one of a kind low warp polyamide formulation with the ability to print nearly warp free. PA NEAT allows continues use at 120°C while retaining sufficient mechanical properties.

### TYPICAL MATERIAL PROPERTIES

Physical properties	Unit	Value	Method
Density	g/cm <sup>3</sup>	1,14	ISO 1183
Water absorption	%	<0,3	ISO 62
Tensile Strength	MPa	78	ISO 527
Tensile Elongation@break	%	4,4	ISO 527
Flexural Strength	MPa	-	-
Flexural Modulus	GPa	-	-
Charpy Impact strength, notched	kJ/m <sup>2</sup>	-	-
Charpy Impact strength, unnotched	kJ/m <sup>2</sup>	90	ISO 179 1eU
Continuous Service Temp.	°C	120	IEC 60216

### FILAMENT SPECIFICATION

Nominal diameter:	Diameter tolerance	Ovality
1,75 mm	± 0,1	≥ 95%
2,85 mm	± 0,1	≥ 95%

**Netto filament weight** 750 grams

### GUIDELINE FOR PRINT SETTINGS

Advised 3D printing temperature	265-290 °C
Advised bed temperature	Cold bed (low infill prints); 40 – 50 °C (high infill prints)
Bed surface / modification	buildTak, Glass plate
Active cooling fan	50%
Advised 3D printing speed	30 – 40 mm/sec

### ADDITIONAL INFORMATION

The filament may absorb moisture from the environment. If absorbed moisture levels are too high, users will see excessive oozing of material on travel moves and rough outer surface of printed parts. Drying is advised using filament dryers, drying temperature set at 70-80C for 4-6 hours.

#### Disclaimer

The product- and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.