

# Technical datasheet

## colorFabb Color on Demand

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ColorFabb Color on Demand is a high quality PLA 3D printing filament, impact modified to improve toughness. PLA Color on Demand is available on several spools in custom colors.

### TYPICAL MATERIAL PROPERTIES

Physical properties	Unit	Value	Method
Density	g/cm <sup>3</sup>	1,2 - 1,3	
Glass Transition Temperature	°C	55 - 60	DSC
Tensile Strength	MPa	45	ISO 527-1
Tensile Modulus	MPa	3400	ISO 527-1
Tensile Elongation	%	6	ISO 727-1
Impact Strength (Ch-N 23°C)	kJ/m <sup>2</sup>	7	ISO 179-1

### FILAMENT SPECIFICATION

Nominal diameter:	Diameter tolerance	Ovality
1,75 mm	± 0,05	≥ 95%
2,85 mm	± 0,10	≥ 95%

### GUIDELINE FOR PRINT SETTINGS

Nozzle temperature	195 - 220°C
Bed temperature	50 - 60°C
Bed surface / modification	Tape or glue
Active cooling fan	100%
Print speed	40-80 mm/s

#### 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.