

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 ³ | 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 ² | 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.