

Technical datasheet

colorFabb LW-ASA

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ColorFabb LW-ASA is a high quality expanding ASA 3D printing filament. The active foaming technology can be used to achieve light weight, low density ASA parts. At around 230°C this material will start foaming, increasing its volume by nearly 2,5 times. Users can decrease material flow by 60% to achieve light weight parts, or use the expanding properties to effectively reduce print time by using big layer heights or single extra thick perimeters. Like regular ASA the LW-ASA features inherent UV stability and high temperature resistance of 96°C.

TYPICAL MATERIAL PROPERTIES

Physical properties	Unit	Value	Method
Density	g/cm ³	0.40 - 1,07	-
Additional material properties coming soon			

FILAMENT SPECIFICATION

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

Netto filament weight 650 grams

GUIDELINE FOR PRINT SETTINGS

Advised 3D printing temperature	240 – 260 °C
Advised bed temperature	90 – 100 °C
Bed surface / modification	-
Active cooling fan	To reduce warping we would advice to use the least amount of cooling possible. Also for best mechanical performance try printing with the least amount of cooling needed, for optimal layer adhesion.
Advised 3D printing speed	30 – 50 mm/sec

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.