

MATERIAL DATA SHEET ASA

3D Filaments – PRINT WITH SMILE



DENSITY	1,07 G/CM3
FLEXURAL STRENGTH	76 MPa
IZOD IMPACT STRENGTH	156 J/M
TENSILE MODULUS	2 079 MPa
TENSILE STRESS AT YEILD	47 MPa
PRINT TEMPERATURE	240 – 260 °C
HEATED BED	90 – 110 °C
NOZZLE	0,2 – 0,4 MM
COOLING	0 – 60 %
FLOW	100 %

The tests were carried out on standardized samples, in accordance with ISO 148 and ISO 528. The prints were made on a Zortrax M200 printer with models infill up to 80%.

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DETAILED PRODUCT DESCRIPTION

ASA - (acrylonitrile-styrene-acrylic) is a thermoplastic copolymer that is characterized by excellent resistance to UV radiation, heat, humidity and cracking under load. ASA is a material ideal for printing details exposed to weather conditions. In addition, ASA is chemically resistant, thermally stable and has antistatic properties. Like ABS, it is a petrochemical material, but due to the lack of butadiene in its composition, this material has a significantly smaller shrinkage, making it much easier to print.

AVAILABLE IN COLORS



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