



Layer adhesion



Weather resistance



Easy to print



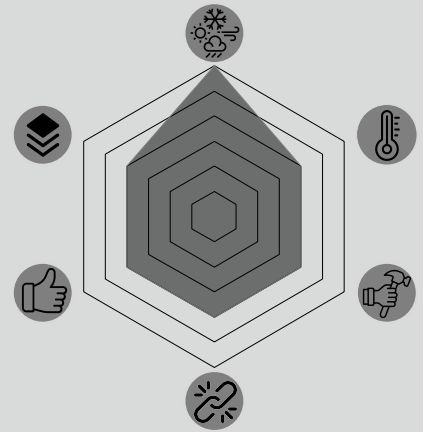
Heat resistance



Tensile strength



Impact resistance



Description

Acrylester-Styrol-Acrylnitril (ASA) is a thermoplastic material, with similar properties as ABS. ASA is extremely weather-resistant and has very good mechanical properties. It is not so easy to print like PLA and we recommend a heated enclosure.

Identification

Name	ASA
Chemical Name	Acrylester-Styrol-Acrylnitril
Usage	FDM 3D Printing
Manufacturer	Material 4 Print GmbH & Co. KG, Germany

Properties

Test	Value	Method
Specific Gravity	1,06 g/cm ³	DIN EN ISO 1183
Elongation at Break	20%	DIN EN ISO 527
Tensile Strength	50 MPa	DIN EN ISO 527
Flexural Modulus	2300 MPa	DIN EN ISO 178
Melting Point	240 - 260 °C	
Heat Distortion Temperature	84 °C	DIN EN ISO 75/1
Flammability	HB	UL94

If you have any further questions about the product or problems in its use, please contact info@material4print.de



Certificate



Certification depends on colors in the final product. More info in the additional information sheet.

Storage

Store at room temperature, out of direct heat and sunlight and in a dry place.

Print Settings

Nozzle Temperature: 240-270 °C
Bed Temperature: 90-110 °C