

FILAMENT

ASA

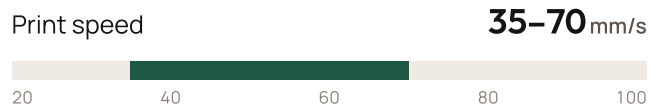
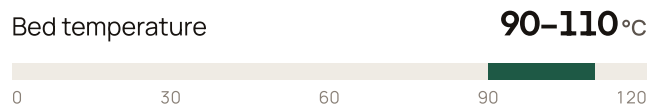
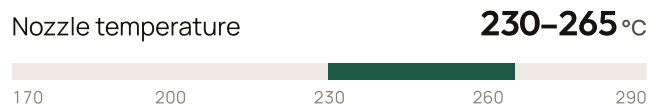
Acrylonitrile styrene acrylate

ASA is an all-purpose 3D printing thermoplastic. Its chemical make-up is similar to ABS, with three improvements: better mechanical properties, a better finish and UV resistance.

DIAMETER	1.75 mm
TOLERANCE	±0.02 mm
LENGTH	343 m

KEY FEATURES

- High heat resistance
- UV resistance
- Water and chemical resistance
- Suited to outdoor and industrial use

RECOMMENDED PRINT SETTINGS


Start in the middle of each range and adjust for your printer, nozzle and cooling.

MATERIAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Density	ISO 1183	1.07 g/cm³
Glass transition temperature	DSC	112 °C
Melt flow index	ISO 1133	20 g/10 min
Tensile strength	ISO 527	47.1 MPa
Elongation at break	ISO 527	25 %
Elongation at yield	ISO 527	6.0 %

The values in this data sheet are typical values, given for reference and for comparing materials. They are not guaranteed specifications and may vary with colour, batch, print settings and part geometry. Test the material in your own application before use.