

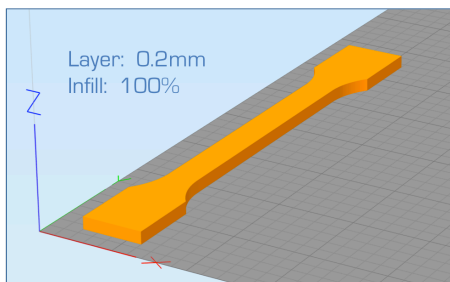


3DXMAX® ASA 3D Filament

3DXMAX® ASA [acrylonitrile styrene acrylate] premium UV-resistant 3D printing filament is formulated utilizing our high-flow exterior weatherable ASA resin and colorants. Our ASA has a low-gloss matte sheen with excellent layer hiding capability – making it the ideal material for demanding functional prototype and production parts that are exposed the outdoors or any application where a low-gloss technical looking matte finish is preferred. 3DXMAX® ASA is suitable for use in practically all consumer-grade FDM/FFF printers that have a heated print bed. Made by 3DXTECH® in the USA.

The reported technical data was generated from printed ISO test specimen. The general print parameters utilized are noted below.

- Desktop FDM/FFF Printer
- Nozzle: 0.4mm A2 hardened
- Layer height: 0.2mm
- Infill: 100%, +/- 45°
- Extrusion temp: 240°C
- Bed temp: 110°C
- Bed prep: ABS/Acetone Gel
- Print speed: 50 mm/sec



Disclaimer: The technical data contained on this data sheet is furnished without charge or obligation and accepted at the recipient's sole risk. This data should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.

General Property	Unit	Standard	Typical Value
Density	g/cc	ISO 1183	1.07

Mechanical Property	Unit	Standard	Typical Value
Tensile Strength	MPa	ISO 527	43
Tensile Modulus	MPa	ISO 527	2010
Tensile Elongation, Break	%	ISO 527	10
Flexural Modulus	MPa	ISO 178	1956
Flexural Strength	MPa	ISO 178	78

Thermal Property	Unit	Standard	Typical Value
Glass Transition Temperature (Tg)	°C	DSC	104
Heat Distortion Temperature (HDT) @ 0.45MPa	°C	ISO 75	96

Electrical Property	Unit	Standard	Typical Value
Surface Resistivity	Ohm/sq	IEC 60093	>10 ¹³

Printing Recommendation	Typical Range
Extruder Temperature	230 - 260°C
Bed Temperature	100 - 110°C
Print Speed	50 - 70 mm/sec