

Product Information

IIID MAX ASA (Acrylonitrile Styrene Acrylate) 3D Printing – the ideal choice for robust, weather-resistant prints with exceptional precision. Crafted for versatility and durability.

Characteristics

- Weather Resistance
- Engineered for toughness
- High Precision
- Durable and Impact Resistant

Filament Specifications

IIID MAX does not opine, using the below data, on the suitability of the filament for any specific application nor on the accuracy of such data. Your results may vary depending on the testing methodology, printing parameters used, and other factors not controlled by IIID MAX. The presented data may not represent how the material will perform in a 3D-printed sample.

Properties	Test Method	Nominal Value	Units
Density	ISO 1183	1.07	g/cm ³
Melt Volume-Flow Rate (MVR) (220°C/10.0kg)	ISO 1133	5.0cm ³ /10min	°C
Vicat Softening Temperature	ISO 306/A50	102	°C
Tensile Modulus	ISO 527-1	1900	MPa
Elongation % @ Break	ISO 527	11%	%
Flexural Strength	ISO 178	60	MPa
Water Absorption (Equilibrium, 23°C, 50% RH)	ISO 62	0.4	%

Printing Specifications

The following printing specifications are recommendations and may not be accurate for your printer. It is recommended to calibrate new printer filaments to ensure optimal results.

Parameter	Min	Max	Units
Nozzle Temperature	240	270	°C
Bed Temperature	70	100	°C
Printing Speed	30	85	mm/s
Cooling Fan % (not for overhangs)	0	25	%
Cooling Fan % (overhangs)	10	35	%
Drying Temperature	70	80	°C
Drying Time	2	4	hours