

3D Printing Filament

ASA Datasheet



ASA is an alternative to **ABS** with improved weather resistance. Its UV resistance and excellent mechanical properties make it the perfect choice for 3D printing applications.

Features:

- Exhibits excellent inter-layer adhesion.
- Enhancing the strength, durability, and shock resistance of the printing parts.
- widely used in mechanical, automotive, electronic, textile, and construction industries, which is a versatile engineering thermoplastic



Property:

Property	Unit	Test Standard	Typical Value
Density	g/m ³	ISO 1183	1.14
Melt Flow Index (220°C,10Kg)	g/10min	ISO 1133	25
Melting Point	°C	DSC	215
Tensile Strength at Yield	MPa	ISO527-2/50	43.8
Tensile Strain	%	ISO527-2/50	2.5%
Bending Strength	MPa	ISO178	73.4
Bending Modulus	MPa	ISO178	3206
Notched Izod Impact	KJ/m ²	ISO180-A	10.3
Shrinkage Rate	%	ISO294-4	0.4~0.7
Heating Deflection Temperature	°C	ISO 75-2/A	100.2
Flammability	/	UL-94	V2

Filament Specs:

Diameter	1.75±0.02mm
Suggested Printing Temperature	230-260°C
Suggested Heatbed Temperature	90-110°C
Suggested Printing Speed	30~50mm/s
Printing Condition	Warmed/Closed chamber is necessary. 50-70 °C is recommended.
Cooling Fan	OFF