



Comparison Chart

Unique Prints presents a comparison chart for two popular 3D printing filaments: ABS and ASA. This chart highlights their properties and recommended applications to help you choose the best filament for your project.

Property	ABS	ASA	Application Recommendations
Strength	High	High	Mechanical components, functional parts
Durability	High	High	Load-bearing structures, long-lasting parts
Flexibility	Moderate	Moderate	Snap-fit joints, slightly flexible parts
UV Resistance	Moderate	High	Outdoor applications, exposed to sunlight
Chemical Resistance	High	High	Industrial components, chemical environments
Glass Transition Temp.	~105°C	~100°C	Applications requiring heat resistance

- Nozzle Temp.: Recommended range is 230-260°C for ABS and 240-260°C for ASA.
- Bed Temp.: Recommended range is 80-110°C for both ABS and ASA.
- Print Speed: Adjust based on your printer's capabilities and filament requirements.
- Bed Adhesion: Use gluestick, hairspray, ABS juice, BuildTak, PEI sheet, or Kapton tape.



Unique Prints is committed to providing quality filament that meets the demands of your project.