

Flashforge Filament Guides

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Filament Technical Parameters	Tensile Strength	45-49 MPa	45.5-49 MPa	50-60 MPa	35-40 MPa	33-37 MPa	40-45 MPa	35-40 MPa	42-45 MPa	15-20 MPa	40-45 MPa	40-43 MPa
	Flexural Strength	69-75 MPa	73-76 MPa	75-79 MPa	65-70 MPa	65-67 MPa	50-55 MPa	45-50 MPa	75-79 MPa	<10 MPa	85-95 MPa	75-85 MPa
	Water Absorption (Equilibrium in Water, 23°C)	<0.3	<0.3	<0.3	1	1	<0.2	<0.2	1	0.5	0.5	0.8
	Soluble with Common Solvents	✗	✗	✗	Soluble In Acetone	Soluble In Acetone	✗	✗	✓	✗	✗	✗
Print Setting Parameters	Print with Enclosure	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗
	Nozzle Size	All Size	All Size	All Size	All Size	All Size	All Size	All Size	All Size	All Size	0.6/0.8mm	0.6/0.8mm
	Nozzle Temperature	190-220 °C	190-220 °C	190-220 °C	220-240 °C	220-240 °C	220-240 °C	220-240 °C	240-260 °C	190-230 °C	200-230 °C	230-250 °C
	Bed Temperature	25-60 °C	25-60 °C	25-60 °C	100-110 °C	80-100 °C	70-80 °C	70-80 °C	100-120 °C	25-60 °C	25-60 °C	60-80 °C
	Hardened Nozzle Required	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗
	Cooling Fan Required	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗
	Normally Print Speed	40-60 mm/s	40-60 mm/s	60-150 mm/s	40-60 mm/s	40-60 mm/s	40-60 mm/s	40-60 mm/s	40-60 mm/s	20-40 mm/s	40-60 mm/s	40-60 mm/s
	Printable with Glass Bed	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗
	Printable with PEI Plate	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗
	Printable with Sticker	✗	✗	✗	✓	✓	✗	✗	✓	✗	✗	✗
Post-print	Annuling Treatment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	✓	✓	N/A	N/A
	Recommended Application Scenarios	Hobby Creative Design Artwork	Prototyping Functional Parts	Prototyping Artwork	Consumer Product Functional Parts	Mechanical Parts Tooling	Mechanical Parts Medical Devices Containers & Packages	Containers & Packages Medical Devices Industrial Prototypes	Mechanical Parts Pipes Functional Parts	Consumer Product Functional Parts Artwork	Prototyping Lightweight Structures	Medical Devices Functional Parts Mechanical Parts