

Filaments

MATERIAL	HARDWARE			TEMPERATURES		SHEETS						PHYSICAL FEATURES			
	Enclosure	Drybox	Hardened nozzle	Nozzle	Bed	Textured	Smooth PEI	Satin	Special PA Nylon	PP	HT	Easily soluble	Heat deflection	Impact resistance	Tensile strength
> PLA	⊖ No	-	No	185-235 °C	50-60 °C	✓	✓	✓	⊖	⚠ First, print with PP	⊖	⊖	⊖	⊖	⊖
> PETG	⊖ No	No	No	215-270 °C	70-90 °C	✓	⚠ with glue stick	✓	✓ Cleaned with water	✓	⊖	⊖	⊖	⊖	⊖
> PETG HT	⊖ No	No	No	270 °C	110 °C	✓	⚠ with glue stick	✓	✓ Cleaned with water	✓	⊖	⊖	⊖	⊖	⊖
> ASA	⊖ Recommended	No	No	220-275 °C	90-110 °C	⚠ with glue stick	⚠ with glue stick	✓	⊖	✓	⊖	✓	⊖	⊖	⊖
> ABS	⊖ Recommended	No	No	230-255 °C	95-110 °C	⚠ with glue stick	⚠ with glue stick	✓	⊖	✓	⊖	✓	⊖	⊖	⊖
> PC (Polycarbonate)	⊖ Recommended	No	No	270-275 °C	100-115 °C	⚠ with glue stick	⚠ with glue stick	✓	⊖	✓	⊖	⊖	⊖	⊖	⊖
> CPE	⊖ No	Yes	No	275 °C	90-110 °C	✓	⚠ with glue stick	✓	⊖	⊖	⊖	⊖	⊖	⊖	⊖
> PVA / BV0H	⊖ No	Yes	No	195-215 °C	60 °C	✓	✓	✓	⊖	✓	⊖	✓	⊖	⊖	⊖
> HIPS	⊖ No	No	No	225-255 °C	100-110 °C	✓	✓	✓	⊖	⊖	⊖	✓	⊖	⊖	⊖
> PP (Polypropylene)	⊖ -	No	No	220-245 °C	70-100 °C	⊖	⚠ with PP tape	-	⊖	✓	⊖	⊖	⊖	⊖	⊖
> Flex	⊖ No	-	No	220-260 °C	40-85 °C	✓	⚠ with glue stick	-	-	✓	⊖	⊖	⊖	⊖	⊖
> nGen	⊖ No	No	No	240 °C	90 °C	✓	⚠ with glue stick	✓	⊖	⊖	⊖	⊖	⊖	⊖	⊖
> PA (Nylon)	⊖ Recommended	Yes	No	240-285 °C	70-115 °C	⚠ with glue stick	⊖	⚠ with glue stick	-	⊖	⊖	⊖	⊖	⊖	⊖
> Composite materials	⊖ -	-	Yes	225-285 °C	40-115 °C	-	-	-	-	-	-	⊖	⊖	⊖	⊖
> Wood / metal filled	⊖ No	No	-	190-270 °C	60-100 °C	-	-	✓	-	-	⊖	⊖	⊖	⊖	⊖
> PVB	⊖ No	No	No	215 °C	75 °C	⊖	✓	✓	⊖	✓	⊖	✓	⊖	⊖	⊖
> PEI	⊖ Yes Necessary 90-190 °C	Yes Necessary	No	430 °C	150 °C	✓ with MagiGoo HT	⊖	⊖	⊖	⊖	✓ with MagiGoo HT	⊖	⊖	⊖	⊖

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