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ABS is a thermoplastic which is produced by the polymerization of acrylonitrile, butadiene, and styrene. The most important mechanical properties of ABS are impact resistance and toughness. Sakata3D filament works perfectly with all common desktop 3D printers; RepRap (Mendel, Huxley, Prusa), Solidoodle, Leapfrog UP! Plus, Up! Mini... Our filaments come vacuum-sealed with desiccant.

ABS Specifications:

Material	ABS (Acrylonitrile Butadiene Styrene)
Diameter	1,75 mm
Diameter Tolerance	± 0.03 mm
Ovalidity Tolerance (max)	± 5%
Melting Temperature	~235°C to 256°C
Print Temperature Guideline*	~235°C to 256°C
Filament Net Weight:	± 1 Kg
Spool Size (D x h):	165 mm x 100 mm
Spool Hub Diameter:	40 mm
Carton Box Size (LxWxH):	XX mm x XX mm x XX mm
Packaged weight	1.2 Kg

Material	ABS (Acrylonitrile Butadiene Styrene)
Diameter	3,00 mm
Diameter Tolerance	+0.03 mm
Ovalidity Tolerance (max)	± 5%
Melting Temperature	~235°C to 256°C
Print Temperature Guideline*	~235°C to 256°C
Filament Net Weight:	± 1 Kg
Spool Size (D x h):	165 mm x 100 mm
Spool Hub Diameter:	40 mm
Carton Box Size (LxWxH):	XX mm x XX mm x XX mm
Packaged weight	1.2 Kg

*Each desktop 3D printer has its own unique characteristics, you might need to tweak around with your temperature settings a bit to obtain the best results. To obtain optimal results for your prints you need to take into account variables like your 3D printer's nozzle diameter, your printing speed settings, and layer height



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PLA (Poly-Lactic Acid) is a thermoplastic which is extruded from the starch of plants, such as corn, cassava, sugarcane, cereals, or sugar beet.

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Our filaments come vacuum-sealed with desiccant.

PLA Specifications:

Material	PLA (Poly-Lactic Acid)	Material	PLA (Poly-Lactic Acid)
Diameter	1,75 mm	Diameter	3,00 mm
Diameter Tolerance	± 0.03 mm	Diameter Tolerance	+0.03 mm
Ovality Tolerance (max)	± 5%	Ovality Tolerance (max)	± 5%
Melting Temperature	~180°C to 200°C	Melting Temperature	~180°C to 200°C
Print Temperature Guideline*	~180°C to 200°C	Print Temperature Guideline*	~180°C to 200°C
Filament Net Weight:	± 1 Kg	Filament Net Weight:	± 1 Kg
Spool Size (D x h):	165 mm x 100 mm	Spool Size (D x h):	165 mm x 100 mm
Spool Hub Diameter:	40 mm	Spool Hub Diameter:	40 mm
Carton Box Size (LxWxH):	XX mm x XX mm x XX mm	Carton Box Size (LxWxH):	XX mm x XX mm x XX mm
Packaged weight	1.2 Kg	Packaged weight	1.2 Kg

*Each desktop 3D printer has its own unique characteristics, you might need to tweak around with your temperature settings a bit to obtain the best results. To obtain optimal results for your prints you need to take into account variables like your 3D printer's nozzle diameter, your printing speed settings, and layer height