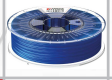
AIRWOLF 3D® Compatible Material List

CERTIFIED MATERIALS SOLD BY AIRWOLF 3D

The listed material temperatures are for reference only . These temperatures may vary depending on printer model, hot-end, ambient temperature, filament quality, filament age, and many other factors. Use these temperatures as a starting point, and adjust accordingly to these variables.

Material		Description	Temp.	Bed Temp.	Bed Adhesion	Compatible Printer
ABS		Acrylonitrile butadiene styrene is the most commonly used 3D printing material. For example, most Lego building blocks are produced using this material. Best used for making durable parts that need to withstand higher temperatures. ABS prints well on glass with Wolfbite.	250°C	110-120°C	**Wolfbite** Regular Mega	Compatible with: **AXIOM**
Algae-Fuel		Advanced PLA combining the sustainability of PLA with material properties typically found in ABS. Being based on wild harvested algae and PLA, Algae-Fuel filament provides an even more environmentally friendly option.	190-200°C	60-70°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
ALLOY 910		With a combined tensile strength higher than the strongest of co-polyesters, the durability of Nylons, a shrinkage factor that rivals our t-glase, a vast range of chemical resistance and a 95°C working range, you now have one solution easily printable at 245°C.	245°C	80°C	**Wolfbite** Nitro	Compatible with: **AXIOM**
ASA		ASA (Acrylonitirle Styrene Acrylate) offers the strength and reliability of ABS, but with added weather and UV resistance. In addition, ASA has become an increasingly more popular 3D printing material because it also has a lower tendency to warp than ABS.	260°C	115°C	**Wolfbite** Regular Mega	Compatible with: **AXIOM**
Bamboofill		PLA/PHA based compound mixed with natural bamboo fibers.	195-220°C	60°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
Bendlay		Extremely translucent material that will allow you to print virtually clear items. Remarkably resilient and elastic.	210-240°C	100° C	**Wolfbite** Regular	Compatible with: **AXIOM**
Brassfill		Brassfill, based on a proprietary PLA formulation, produces a polished golden appearance when refinished after printing.	190-210° C	60° C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
Bronzefill		Composed of an 80/20 bronze-to-PLA mixture. Sanding and polishing Bronzefill results in a shiny, metalic finish.	190-210° C	60° C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
bioFila Linen		bioFila Linen is composed of lignins (organic material) that are suspended in a PLA matrix. Lignins are responsible for providing strength and rigidity to the cell walls of plants and are one of the main ingredients found in paper. Non-toxic, biodegradable, and produces prints with a linen-like texture.	165-200° C	90° C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
BluPrint		BluPrint is the maker's dream! Print strong, functional parts able to last in harsh outdoor environments and even direct sunlight, Need something stronger than PLA with heat resistance up to 100C+? Look no further than Taulman BluPrint.	265-270° C	95° C	**Wolfbite** Regular	Compatible with: **AXIOM**
Carbonite ABS		Carbon Fiber ABS is an engineering-grade 3D printer filament that offers the versatility of ABS reinforced with the lightweight rigidity of carbon fiber.	220-240° C	100-110° C	**Wolfbite** Regular Mega	Compatible with: **AXIOM**
Carbonite Nylon		Designed for demanding applications, Nylon CARBONITE possesses all the properties of nylon, but reinforced with carbon fiber for added strength and less warpage.	250° C	110° C	**Wolfbite** Nitro	Compatible with: **AXIOM**
Carbonite PC		Strong and light with a distinctive, even-textured finish, CARBONITE Polycarbonate utilizes carbon fiber for extra durability and high performance.	300-315° C	140-150° C	**Wolfbite** Mega	Compatible with: **AXIOM**
Carbonite PETG		PETG CARBONITE is an engineering-grade 3D printer filament that offers the versatility of PETG reinforced with the lightweight rigidity of carbon fiber.	230-260° C	70-90° C	**Wolfbite** Regular Mega	Compatible with: **AXIOM**
Carbon Fiber PLA		CFPLA is a durable filament with carbon fibers suspended in a PLA matrix. The resulting 3D prints are rigid with a matte black finish, and exhibit extremely low warping characteristics.	195-220° C	60° C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
ColorfabbXT		Similar to PLA, with improved temperature resistance and bonding strength. Printed objects have a smooth, glossy sheen.	240-260° C	70-80° C	**Wolfbite** Regular	Compatible with: **AXIOM**
Copperfill		When sanded and polished, this material will produce a metallic shine. Copperfill is approximately 3 times heavier than traditional PLA/PHA polymers.	190-210° C	60° C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
ESD ABS		ESD ABS belongs to a family of specialty filaments that utilize carbon wall nanotubes and produces objects capable of conducting electricity. This product is commonly used in applications that require electrostatic discharge (ESD) protection.	240-245° C	110° C	**Wolfbite** Regular Mega	Compatible with: **AXIOM**
Flame Retardant ABS		Our ABS (Acrylonitrile Butadiene Styrene) Flame Resistant / Retardant thermoplastic filament is a premium grade material that is well suited for demanding 3D printing application where flame resistance is preferred or required (electrical, aerospace, appliances/products, automobile parts, etc.) or where there is potential that a flame could ignite the plastic.	230-240° C	115-125° C	**Wolfbite** Regular Mega	Compatible with: **AXIOM**
FlexSolid		FlexSolid prints like a dream at twice the speed of existing flexible materials.	230-240° C	70-80° C	**Wolfbite** Regular	Compatible with: **AXIOM, AXIOMe**
GEL-LAY		A jelly-like material that is ideal for creating rubbery, squishy objects. Gel-Lay is part rubber-elastomeric polymer and part PVS. When rinsed in water, the rubber polymer remains as a micro-porous and flexible object.	225-235° C	20-55° C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
HDglass		HDglass™ is a new amorphous , high strength and ultra-transparent modified PETG. HD stands for "Heavy Duty", as HDglass™ has excellent properties when it comes to strength, toughness and temperature resistance.	230-250° C	80° C	**Wolfbite** Regular	Compatible with: **AXIOM, AXIOMe**
HIPS		HIPS is short for High Impact Polystyrene. It has very similar properties to ABS, and is commonly used by model makers	240° C	110-120° C	**Wolfbite** Regular	Compatible with: **AXIOM**
Igus Iglidur		Igus iglidur is a relatively new material that is up to 50 times more abrasion resistant than conventional 3D print materials.	240° C	110-120° C	**Wolfbite** Regular	Compatible with: **AXIOM**

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HydroFill		HydroFill is the first true water-soluble support material. A proprietary polymer blend developed and made in-house, HydroFill bonds strongly to ABS and PLA parts to provide effective support that dissolves easily in plain water. Can be used with virtually any dual head 3D printer.	235° C	100° C	**Wolfbite** Regular Mega	Compatible with: **AXIOM**
LAY FOMM 40		Composed of rubber-elastomeric polymer and PVA, Lay Fomm 40 has a foamy, porous consistency. When rinsed in water, the rubber polymer remains as a micro-porous, flexible, object.	220-230°C	40-60°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
LAY FELT		LAY FELT prints porous, flexible objects with a felt consistency. When rinsed in water, the PVA component dissolves and leaves behind a felt-like rubbery material.	225-235°C	20-55°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
LAY FOMM 60		Composed of rubber-elastomeric polymer and PVA, Lay Fomm 60 has foamy, porous consistency. When rinsed in water only the rubber polymer remains as a micro-porous, flexible object that is slightly more firm than Lay-Fomm 40.	220-230°C	40-60°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
LayWOO-D3		LayWOO-D3 is a mixture of recycled wood fibers and polymer binders. The printed wood can be made to appear rough (similar to MDF) or have a smooth surface.	200-230°C	60°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
NinjaFlex TPE		Thermoplastic elastomer (also known as Thermoplastic rubber). TPE feels rubber-like and springs back into shape when compressed.	240°C	70°C	**Wolfbite** Regular Mega	Compatible with: **AXIOM, AXIOMe**
n-vent		Thought of as a middle option between ABS and PLA (think a premium version of HIPS), because it prints with dimensional stability without warping and is also relatively strong. n-vent is ideal for objects with socket joints and other interlocking pieces, as well as functional prototyping.	230-240°C	60°C	**Wolfbite** Regular	Compatible with: **AXIOM, AXIOMe**
Nylon Platinum Series		Platinum Series Nylon is a strong, durable material that is ideal for applications that require abrasion and impact resistance. Unlike most Nylon filaments, Platinum Series Nylon prints at lower temperatures; ideal for use print projects that require two different types of materials.	245°C	80°C	**Wolfbite** Nitro	Compatible with: **AXIOM**
Nylon 618		The Taulman 3D 618 is a high-strength nylon co-polymer. It is very strong but tends to warp, (similar to ABS). Unlike ABS, however, it can be difficult to get it to stick to the print surface.	235-260°C	80°C	**Wolfbite** Nitro	Compatible with: **AXIOM**
Nylon 645		The Taulman 3D Nylon 645 offers high strength, high durability, and good chemical resistance.	245-270°C	80°C	**Wolfbite** Nitro	Compatible with: **AXIOM**
NYLON 680		A pure polymer that is FDA approved. No additives used in the chemical manufacturing or extrusion processes. Nylon 680 is designed for use in FFM type 3D printers.	240°C	70°C	**Wolfbite** Nitro	Compatible with: **AXIOM**
Nylon Bridge		Named "Bridge" for its ability to bridge the gap between ABS and Nylon filament FFF style 3D printing. Nylon Bridge has strength characteristics similar to Nylon 645, with better printing characteristics, including enhanced bed adhesion.	285°C	80°C	**Wolfbite** Nitro	Compatible with: **AXIOM**
PCTPE		PCTPE has several unique features that allow users to print highly flexible parts with the durability of nylon polymers. PCTPE provides the smooth lustrous texture of nylon with the added flexibility offered in rubbery products like TPE.	240°C	70°C	**Wolfbite** Nitro	Compatible with: **AXIOM**
PET		PET (PolyEthylene Terephthalate) is a lightweight, colorless material commonly used to print translucent objects that are strong and impact-resistant.	240°C	80-100°C	**Wolfbite** Regular	Compatible with: **AXIOM**
PETG		PETG is also known as glycol modified PET (or less commonly as GPET). This material has a high degree of durability and impact resilience, yet is also very flexible and recyclable. PETG can be found in many colors, including transparent.	240°C	80-100°C	**Wolfbite** Regular	Compatible with: **AXIOM, AXIOMe**
PLA		Polylactic acid is one of the most commonly used materials in 3D printing today. It is biodegradable, easy to use, and provides great surface finish and print quality. PLA can be dissolved in lye-based drain cleaner (such as Drano), leaving other materials such as ABS unaffected. An excellent support material.	200-220°C	60-70°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
PC/ABS		Incredibly tough material designed for strong, resilient parts. PC-ABS alloy features vast improvements over standard ABS in terms of heat deflection, impact resistance, rigidity, and surface finish.	285°C	130°C	**Wolfbite** Mega	Compatible with: **AXIOM**
PC (Polycarbonate)		Strong, durable material that can be put to the test with functioning prototypes. Polycarbonate filament is a high temperature material that offers good heat resistance and layer bonding, and produces an excellent finish.	300-315 °C	135-140°C	**Wolfbite** Mega	Compatible with: **AXIOM**
PP (POLYPROPYLENE)		Polypropylene is widely used for automotive and other industrial applications because it is extremely durable and cost effective. This type of plastic is incredibly chemically resistant while being almost completely waterproof.	210-220 °C	80-100°C	**Wolfbite** Ultra	Compatible with: **AXIOM**
Soft PLA		Flexible 3D printing material that feels and acts like rubber. This material is best used with small layer heights due to increased stress during flexion.	220-235°C	55°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
Stainless Steel PLA		Metallic powder is suspended in PLA to produce objects that appear to be made of steel. The material can be sanded and polished to produce a metalic sheen or left with a rough texture.	195-220°C	60°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**
T-Glase		T-glase (pronounced Tee Glass) is a special formulation of PETG produced by Taulman 3D. It is composed of FDA approved polymers for direct food contact. Printed parts have a clear, crystal-like quality. T-glase prints easily on acrylic, glass, and PET film.	250°C	90°C	**Wolfbite** Regular	Compatible with: **AXIOM, AXIOMe**
TPU (Wolfbend)		TPU stands for Thermoplastic polyurethane. TPU features good elasticity and transparency, and is resistant to oil, grease, and abrasion. WOLFBEND TPU is much stronger than typical TPU. Layer-to-layer bonding is incredible and layer separation is virtually non-existent.	230-240°C	70-80°C	**Wolfbite** Regular Mega	Compatible with: **AXIOM, AXIOMe**
Laybrick		Laybrick utilizes fine milled chalk, suspended in polymers, to produce objects with a stone-like consistency.	180-200°C	55°C	**Wolfbite** Nano	Compatible with: **AXIOM, AXIOMe**

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