

ADDITIVE MATERIAL LIST

PROCESS: Fused Deposition Modeling (FDM)



MATERIAL	COLORS	DESCRIPTION
ABS-ESD7		Strong thermoplastic with static dissipative properties.
ABS-M30		Stronger than standard ABS with a variety of color options.
ABS-M30i		Bio-compatible (ISO 10993; USP Class VI) Gamma & EtO sterilizable for medical.
ASA		General use, UV-stable with a variety of color-fast color options.
Diran		Durable, nylon-based thermoplastic. Demonstrates exceptional toughness while maintaining a smooth, lubricious surface quality. Low-friction texture makes it perfect for non-marring fixtures and tooling
Nylon 6		Excellent strength and stiffness while maintaining good impact resistance.
Nylon 12		High elongation at break.
Nylon 12CF		Highest Strength & Stiffness to weight ratio combined with Electrostatic Discharge (ESD) Properties.
PC		Accurate, durable, strong, RF transparent.
PC-ABS		Superior strength, heat resistance.
PC-ISO		(ISO 10993; USP Class VI) Gamma & EtO sterilizable for medical.
PPSF		Great heat and chemical resistance.
ULTEM 9085		High strength to weight ratio, high heat resistance. FST certified per "14 CFR/FAR 25.853" & "ASTM F814/E662".
ULTEM 9085 CG		Created with aerospace in mind, but beneficial to all, introducing Ultem 9085 CG. A highly improved version of the original Ultem 9085 Tan offered through Stratasys Direct, with increased mechanical properties across the board, and very low coefficient of variation. High strength to weight ratio, high heat resistance. FST certified per "14 CFR/FAR 25.853" & "ASTM F814/E662".
ULTEM 1010		Excellent strength, thermal stability, ability to withstand steam autoclaving, NSF-51 food contact & Bio-compatible ISO 10993/USP Class VI certifications. FST certified per "14 CFR/FAR 25.853" & "ASTM F814/E662".
ST-130		Engineered and tested specifically for sacrificial tooling. Is capable of autoclave cure, making it an optimal choice for sacrificial lay-up tools used to make hollow composite parts.
TPU 92A		Thermoplastic polyurethane with a Shore A value of 92. The material exhibits high elongation, superior toughness, durability and abrasion resistance.

PROCESS: Multi Jet Fusion (MJF)

MATERIAL	COLORS	DESCRIPTION
Nylon PA 12		This engineering grade thermoplastic produces high-density parts with extreme dimensional accuracy and fine detail for functional prototyping and final parts. PA 12 also has excellent chemical resistance to oils, greases, aliphatic hydrocarbons and alkalies.

PROCESS: Selective Absorption Fusion (SAF)

MATERIAL	COLORS	DESCRIPTION
Nylon PA 11		This technology enables comprehensive control of the printing process to deliver accurate, consistent, and repeatable parts with engineering-grade thermoplastic materials. PA 11 provides high ductility and impact strength along with excellent surface finish.

PROCESS: Programmable PhotoPolymerization (P3)

MATERIAL	COLORS	DESCRIPTION
Dura56 by LOCTITE		A durable, impact-resistant photopolymer with an exceptional surface finish. For functional applications where aesthetics and robustness are critical. Ideal for housings, parts with mating features or class A surfaces.
IND475 Stretch by LOCTITE		Resilient, shore 47A hardness elastomer with good tear strength. Ideal for requirements where resilience, snap back, and tear resistance is desired, such as lattice structures and functional prototyping
IND405 Clear by LOCTITE		Clear photopolymer with a smooth surface finish and good impact resistance. Ideal for mechanical guides, fluid ducts, and microfluidic devices. Also suitable for light pipe and packaging prototyping. Comes off the printer frosted but can be polished to an optically clear finish.