

FUSION3 CERTIFIED MATERIALS LIST (SIMPLIFY3D PROFILES)

as of October 28, 2020

Please ONLY use materials specifically listed here and do not modify settings unless advised by Fusion3, otherwise may void your warranty

Fusion3 3D printers are only compatible with 1.75MM filament

BRAND	NAME	FEATURES	SIMPLIFY3D PROFILE TO USE							EXPERTISE REQUIRED	LAYERS OF GLUE STICK
			F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)		
ABS											
3DXTech	ABS		F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
3DXTech	"CarbonX" CFR-ABS	Carbon Fiber Reinforced	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
3DXTech	3DXSTAT™ ESD ABS	Electrostatic Discharge	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
3DXTech	3DXMAX® PC/ABS	Polycarbonate/ABS Blend	n/a	F400_0.4_3DXTechPC-ABS	F400_0.6_3DXTechPC-ABS	F400_0.8_3DXTechPC-ABS	F410_0.4C_3DXTechPC-ABS	F410_0.6C_3DXTechPC-ABS	F410_0.8C_3DXTechPC-ABS	Pro	2 layers
Amazon	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_COEX-ABS	F400-HFRC_COEX-ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Atomic Filament	Carbon Fiber ABS	Carbon Fiber Reinforced	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Atomic Filament	ABS		F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
BASF Inffil3D	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_COEX-ABS	F400-HFRC_COEX-ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
COEX	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_COEX-ABS	F400-HFRC_COEX-ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Filaments.ca	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Filaments.ca	Carbon Fiber ABS	Carbon Fiber Reinforced	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
FormFutura	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Hatchbox	ABS		n/a	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
IC3D	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Keene Village Plastics	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
MatterHackers	Pro Series ABS		F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Melink	ABS		F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Premix	Preperm ABS550	Dielectric / Low Loss (5.5er)		F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Pro	3 layers
Premix	Preperm ABS300	Dielectric / Low Loss (3.0er)	n/a	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Pro	3 layers
Proto-Pasta	PC-ABS	Polycarbonate/ABS Blend	F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Pro	2 layers
Push Plastic	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Ultimachine	ABS		F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
Verbatim	ABS		n/a	F400_0.4_ABS	F400_0.6_ABS	F400-HFRC_ABS	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Novice	3 layers
ASA											
3DXTECH	3DXMAX® ASA	Combines mechanical strength, UV resistance and water resistance.	n/a	F400_0.4_ASA	F400_0.6_ASA	F400-HFRC_ASA	F410_0.4C_ASA	F410_0.6C_ASA	F410_0.8C_ASA	Novice	3 layers
3DXTECH	3DXMAX® PC/ASA	Polycarbonate/ASA blend	n/a	F400_0.4_3DXTechPC-ASA	F400_0.6_3DXTechPC-ASA	F400_HFRC_3DXTechPC-ASA	F410_0.4C_PC-ASA	F410_0.6C_PC-ASA	F410_0.8C_PC-ASA	Experienced	3 layers
Filaments.ca	ASA	Combines mechanical strength, UV resistance and water resistance.		F400_0.4_ASA	F400_0.6_ASA	F400-HFRC_ASA	F410_0.4C_ASA	F410_0.6C_ASA	F410_0.8C_ASA	Novice	3 layers
Filamentum	ASA	Combines mechanical strength, UV resistance and water resistance.		F400_0.4_ASA	F400_0.6_ASA	F400-HFRC_ASA	F410_0.4C_ASA	F410_0.6C_ASA	F410_0.8C_ASA	Novice	3 layers
FormFutura	ApolloX	"Modified ASA for 'almost injection molding like precision'"		F400_0.4_ASA	F400_0.6_ASA	F400-HFRC_ASA	F410_0.4C_ASA	F410_0.6C_ASA	F410_0.8C_ASA	Novice	3 layers
Toner Plastics	ASA	Combines mechanical strength, UV resistance and water resistance.		F400_0.4_ASA	F400_0.6_ASA	F400-HFRC_ASA	F410_0.4C_ASA	F410_0.6C_ASA	F410_0.8C_ASA	Novice	3 layers
CO-POLYESTER											
ColorFabb	HT	TG of 100°C, "excellent durability and toughness"	n/a	F400_0.4_HT	F400_0.6_HT	F400_HFRC_HT	F410_0.4C_HT	F410_0.6C_HT	F410_0.8C_HT	Pro	2 layers
ColorFabb	HT Clear	TG of 100°C, "excellent durability and toughness"	n/a	F400_0.4_HT	F400_0.6_HT	F400_HFRC_HT	F410_0.4C_HT	F410_0.6C_HT	F410_0.8C_HT	Pro	2 layers
ColorFabb	XT	Transparent		F400_0.4_XT	F400_0.6_XT	F400-HFRC_XT	F410_0.4C_XT	F410_0.6C_XT	F410_0.8C_XT	Pro	2 layers
ColorFabb	XT-CF20	Carbon Fiber Reinforced	F306_XT-CF20	F400_0.4_XT-CF20	F400_0.6_XT-CF20	F400-HFRC_XT-CF20	F410_0.4C_XT-CF20	F410_0.6C_XT-CF20	F410_0.8C_XT-CF20	Pro	2 layers
ColorFabb	nGen		F306_nGen	F400_0.4_nGen	F400_0.6_nGen	F400_HFRC_nGen	F410_0.4C_nGen	F410_0.6C_nGen	F410_0.8C_nGen	Experienced	2 layers
FLEXIBLE (TPU/TPE)											
Filaments.ca	TPU (90A)		n/a	F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU	F400_HFRC_Makeshaper TPU	F410_0.4C_Flexible	F410_0.6C_Flexible	F410_0.8C_Flexible	Pro	2 layers
Filamentum	Flexfill 98A	Technical semi-flexible filament that offers great mechanical properties such as high tear and tensile strength.	n/a	F400_0.4_Semiflex	F400_0.6_Semiflex	F400-HFRC_Semiflex	F410_0.4C_Flexible	F410_0.6C_Flexible	F410_0.8C_Flexible	Pro	2 layers
NinjaTech	Cheetah	Durable, abrasion resistant and impact strength.	n/a	F400_0.4_Cheetah	F400_0.6_Cheetah		F410_0.4C_Cheetah	F410_0.6C_Cheetah	F410_0.8C_Cheetah	Experienced	2 layers
Polymaker	TPU95 (Was Polyflex)		n/a	F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU		F410_0.4C_Flexible	F410_0.6C_Flexible	F410_0.8C_Flexible	Pro	2 layers
Taulman3D	PCTPE	"Texture of nylon, added flexibility, yet durable"	F306_PCTPE	F400_0.4_PCTPE	F400_0.6_PCTPE	F400-HFRC_PCTPE	F410_0.4C_PCTPE	F410_0.6C_PCTPE	F410_0.8C_PCTPE	Experienced	2 layers

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SIMPLIFY3D PROFILE TO USE											
BRAND	NAME	FEATURES	F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	EXPERTISE REQUIRED	LAYERS OF GLUE STICK
NYLON											
3DXTech	AmideX™ Nylon+GF30	30% glass fiber reinforced Nylon 6 Copolymer.	n/a	F400_0.4_PA-GF	F400_0.6_PA-GF	F400_HFRC_PA-GF	F410_0.4C_PA-GF	F410_0.6C_PA-GF	F410_0.8C_PA-GF	Pro	4 layers
Filaments.ca	CF Nylon	Carbon Fiber Reinforced	F306_CFNylon	F400_0.4_CFNylon	F400_0.6_CFNylon	F400-HFRC_CFNylon	F410_0.4C_CFNylon	F410_0.6C_CFNylon	F410_0.8C_CFNylon	Pro	4 layers
Filaments.ca	Nylon PA12	Lower moisture absorption than Nylon 6 and UV resistant.	n/a	F400_0.4_NylonPA12	F400_0.4_NylonPA12	F400-HFRC_NylonPA12	F410_0.4C_NylonPA12	F410_0.6C_NylonPA12	F410_0.8C_NylonPA12	Pro	3 layers
MatterHackers	NylonX	Carbon Fiber Reinforced	n/a	F400_0.4_NylonX	F400_0.6_NylonX	F400_HFRC_PA-GF	F410_0.4C_NylonX	F410_0.6C_NylonX	F410_0.8C_NylonX	Experienced	4 layers
Matterhackers	NylonG	Glass Fiber Reinforced	n/a	F400_0.4_PA-GF	F400_0.6_PA-GF	F400_HFRC_PA-GF	F410_0.4C_PA-GF	F410_0.6C_PA-GF	F410_0.8C_PA-GF	Experienced	4 layers
Polymaker	PolyMide™ PA6-CF	Carbon Fiber Reinforced	n/a	F400_0.4_PA-CF	F400_0.6_PA-CF	F400_HFRC_PA-CF	F410_0.4C_PA-CF	F410_0.6C_PA-CF	F410_0.8C_PA-CF	Pro	4 layers
Polymaker	PolyMide™ PA6-GF	Glass Fiber Reinforced	n/a	F400_0.4_PA-GF	F400_0.6_PA-GF	F400_HFRC_PA-GF	F410_0.4C_PA-GF	F410_0.6C_PA-GF	F410_0.8C_PA-GF	Pro	4 layers
Taulman3D	Alloy 910	*High tensile strength, durable, low shrinkage, chemical resistant, 90°C TG*	F306_A910	F400_0.4_A910	F400_0.6_A910	F400_HFRC_A910	F410_0.4C_Alloy910	F410_0.6C_Alloy910	F410_0.8C_Alloy910	Experienced	1 layer
Taulman3D	Bridge Nylon		F306_Bridge	F400_0.4_Bridge	F400_0.6_Bridge	F400-HFRC_Bridge	F410_0.4C_Bridge	F410_0.6C_Bridge	F410_0.8C_Bridge	Experienced	2 layers
Taulman3D	Nylon 680	*FDA food and beverage rated*	F306_Nylon680	F400_0.4_Nylon680	F400_0.6_Nylon680	F400-HFRC_Nylon680	F410_0.4C_Nylon680	F410_0.6C_Nylon680	F410_0.8C_Nylon680	Experienced	2 layers
Taulman3D	Nylon 645	*High tensile strength, chemical resistant*	F306_Nylon645	F400_0.4_Nylon645	F400_0.6_Nylon645	F400-HFRC_Nylon645	F410_0.4C_Nylon645	F410_0.6C_Nylon645	F410_0.8C_Nylon645	Pro	2 layers
Treed	Carbonium	Carbon Fiber Reinforced	n/a	F400_0.4_Treed-Architect	F400_0.6_Treed-Architect	F400_HFRC_Treed-Architect	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Experienced	4 layers
OTHER											
Polymaker	Polysmooth	*Can be smoothed with Alcohol for layer free models*	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	2 layers
Treed	Architectural: Brick	Brick powder added	n/a	F400_0.4_Treed-Architect	F400_0.6_Treed-Architect	F400_HFRC_Treed-Architect	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Experienced	3 layers
Treed	Architectural: Clay	Clay powder added	n/a	F400_0.4_Treed-Architect	F400_0.6_Treed-Architect	F400_HFRC_Treed-Architect	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Experienced	3 layers
Treed	Architectural: Caementum	Cement powder added	n/a	F400_0.4_Treed-Architect	F400_0.6_Treed-Architect	F400_HFRC_Treed-Architect	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Experienced	3 layers
Treed	Architectural: Dark Stone	Dark Stone powder added	n/a	F400_0.4_Treed-Architect	F400_0.6_Treed-Architect	F400_HFRC_Treed-Architect	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Experienced	3 layers
Treed	Architectural: Monumental	Marble-like powder added	n/a	F400_0.4_Treed-Architect	F400_0.6_Treed-Architect	F400_HFRC_Treed-Architect	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Experienced	3 layers
Treed	Architectural: Sandy	Sand added	n/a	F400_0.4_Treed-Architect	F400_0.6_Treed-Architect	F400_HFRC_Treed-Architect	F410_0.4C_ABS	F410_0.6C_ABS	F410_0.8C_ABS	Experienced	3 layers
Ultimachine	HIPS		F306_HIPS	F400_0.4_HIPS	F400_0.6_HIPS	F400-HFRC_HIPS	F410_0.4C_HIPS	F410_0.6C_HIPS	F410_0.8C_HIPS	Experienced	2 layers
PETG / PET											
3DXTech	MAX-G™ PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
3DXTech	3DXStat ESD-PETG	Electrostatic Discharge	n/a	F400_0.4_3DXTECH_ESD-PETG	F400_0.6_3DXTECH_ESD-PETG		F410_0.4_3DXTECHESD-PETG	F410_0.6_3DXTECHESD-PETG	F410_0.8_3DXTECHESD-PETG	Experienced	2 layers
3DXTech	CarbonX™ Carbon Fiber PETG	Carbon Fiber Reinforced	n/a	F400_0.4_CF-PETG	F400_0.6_CF-PETG	F400-HFRC_CF-PETG	F410_0.4_CF-PETG	F410_0.6_CF-PETG	F410_0.8_CF-PETG	Pro	2 layers
Amazon	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
Atomic Filament	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
Atomic Filament	Carbon Fiber PETG	Carbon Fiber Reinforced	n/a	F400_0.4_CF-PETG	F400_0.6_CF-PETG	F400-HFRC_CF-PETG	F410_0.4_CF-PETG	F410_0.6_CF-PETG	F410_0.8_CF-PETG	Pro	2 layers
BASF Innofil3D	PET		F306_PET	F400_0.4_PET	F400_0.6_PET	F400-HFRC_PET	F410_0.4C_PET	F410_0.6C_PET	F410_0.8C_PET	Experienced	2 layers
COEX	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
E3D Spoolworks	Edge		F306_Edge	F400_0.4_Edge	F400_Edge_0.6	F400-HFRC_Edge	F410_0.4C_Edge	F410_0.6C_Edge	F410_0.8C_Edge	Experienced	2 layers
Filaments.ca	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
Hatchbox	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
IC3D	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
Keene Village Plastics	PETG		n/a	F400_0.4_KVP_PETG	F400_0.6_KVP_PETG	F400-HFRC_KVP_PETG	F410_0.4C_KVP_PETG	F410_0.6C_KVP_PETG	F410_0.8C_KVP_PETG	Experienced	2 layers
Push Plastic	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
Taulman3D	guideline	High glass transition PETG, FDA safe in raw form	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers
Taulman3D	T-Glase	FDA safe in raw form, low TG	F306_TGlase	F400_0.4_T-Glase	F400_T-Glase_0.6	F400-HFRC_T-Glase	F410_0.4C_T-Glase	F410_0.6C_T-Glase	F410_0.8C_T-Glase	Experienced	2 layers
Toner Plastics	PETG		F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFRC_PETG	F410_0.4C_PETG	F410_0.6C_PETG	F410_0.8C_PETG	Experienced	2 layers

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			F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)		
PLA											
3D4Makers	Facilian C8	"Higher tensile strength than ABS, higher impact strength than ABS"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
3D-Fuel	Pro PLA (v2)	"Higher impact strength than ABS and Standard PLA with a heat resistance rivaling that of ABS"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
3D-Fuel	Workday PLA (was Advanced PLA)	"Stronger and more heat resistant than standard PLA"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
3DXTech	ECOMAX® PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
3DXTech	ESD-PLA	Electrostatic Discharge	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
3DXTech	CarbonX™ Carbon Fiber PLA	Carbon Fiber Reinforced	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Amazon	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Atomic Filament	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Atomic Filament	Carbon Fiber PLA	Carbon Fiber Reinforced	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Atomic Filament	Glow in the Dark PLA	Glow In The Dark (highly abrasive!)	F306_CFPLA	F400_0.4_CFPLA	F400_0.6_CFPLA	F400-HFRC_CFPLA	F410_0.4_CFPLA	F410_0.6C_CFPLA	F410_0.8C_CFPLA	Experienced	1 layer
BASF Innofil3D	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
BuMat	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Casius Tech	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
COEX	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_COEX-PLA	F400-HFRC_COEX-PLA	F410_0.4C_COEX-PLA	F410_0.6C_COEX-PLA	F410_0.8C_PLA	Novice	1 layer
ColorFabb	PLA/PHA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
ColorFabb	GlowFila	Glow-In-The-Dark	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
ColorFabb	Woodfill	Wood Filled	F306_WoodFill	F400_0.4_WoodFill	F400_0.6_Woodfill	F400-HFRC_WoodFill	F410_0.4C_Woodfill	F410_0.6C_Woodfill	F410_0.8C_Woodfill	Experienced	1 layer
Essentium	PLA XTR	"Decreased Brittleness, superior tensile strength, better impact resistance"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_Essentium-PLAXTR	F410_0.6C_Essentium-PLAXTR	F410_0.8C_Essentium-PLAXTR	Novice	1 layer
eSUN	PLA+		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Filaments.ca	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Filaments.ca	CF-PLA	Carbon Fiber Reinforced	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Filaments.ca	TRUE Food Safe PLA	Food safe (FDA Approved Raw Materials)	F306_PLA	F400_0.4_PLA	F400_0.6_FilaCA-FSPLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_FilaCA-FSPLA	Experienced	1 layer
Filkemp	PLA 881N		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Flenstech	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
FormFutura	EasyFill PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
FormFutura	MetalFil - Classic Copper	80% metal powder, "real copper look and "cold" copper metal feel"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Pro	1 layer
FormFutura	MetalFil - Ancient Bronze	80% metal powder, "real bronze look and "cold" bronze metal feel"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Pro	1 layer
Hatchbox	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
IC3D	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
JustPLA	JustPLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Keene Village Plastics	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Keene Village Plastics	Performance PLA	"High heat, high impact grade of PLA... alternative to ABS"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Matterhackers	PRO Series Tough PLA	"Engineered for strength and durability... reliability and ease-of-use of PLA"	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Meltink	PLA/PHA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Meltink	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Proto-Pasta	Composite Conductive PLA	Electrically Conductive (2-3kohm)	n/a	F400_0.4_ProtoP-PLACC	F400_0.6_ProtoP-PLACC	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_ProtoP-PLACC	F410_0.8C_PLA	Experienced	1 layer
Proto-Pasta	Copper PLA	Copper (Metal) Reinforced	n/a	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Proto-Pasta	HTPLA	High Temperature Resistance	n/a	F400_0.4_PLA	F400_0.6_ProtoP-HTPLA	F400-HFRC_PLA	F410_0.4C_ProtoP-HTPLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Proto-Pasta	Brass-Filled HTPLA	Brass (Metal) Reinforced	n/a	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_ProtoP-BrassPLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Proto-Pasta	Bronze-Filled HTPLA	Bronze (Metal) Reinforced	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_ProtoP-BronzePLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Proto-Pasta	Iron-Filled PLA	Iron (Metal) Reinforced	F306_PLA	F400_0.4_ProtoP_IronPLA	F400_0.6_ProtoP_IronPLA	F400-HFRC_PLA	F410_0.4C_ProtoP_IronPLA	F410_0.6C_ProtoP_IronPLA	F410_0.8C_ProtoP_IronPLA	Pro	1 layer
Proto-Pasta	Carbon Fiber PLA	Carbon Fiber Reinforced	F306_CFPLA	F400_0.4_CFPLA	F400_0.6_CFPLA	F400-HFRC_CFPLA	F410_0.4C_CFPLA	F410_0.6C_CFPLA	F410_0.8C_CFPLA	Experienced	1 layer
Push Plastic	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Sainsmart	PRO-3 Series PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_ProtoP-BronzePLA	F410_0.6C_PLA	F410_0.8C_PLA	Experienced	1 layer
Ultimachine	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Verbatim	PLA		F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_PLA	F410_0.6C_PLA	F410_0.8C_PLA	Novice	1 layer
Ziro3D	CF-PLA	Carbon Fiber Reinforced	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFRC_PLA	F410_0.4C_Ziro-CFPLA	F410_0.6C_Ziro-CFPLA	F410_0.8C_Ziro-CFPLA	Novice	1 layer

FUSION3 CERTIFIED MATERIALS LIST (SIMPLIFY3D PROFILES)

as of October 28, 2020

Please ONLY use materials specifically listed here and do not modify settings unless advised by Fusion3, otherwise may void your warranty

Fusion3 3D printers are only compatible with 1.75MM filament

BRAND	NAME	FEATURES	SIMPLIFY3D PROFILE TO USE							EXPERTISE REQUIRED	LAYERS OF GLUE STICK
			F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)		
POLYCARBONATE											
3DXTech	ESD Safe PC	Electrostatic Discharge	n/a	F400_0.4_PC	F400_0.6_PC	F400-HFRC_PC	F410_0.4C_PC	F410_0.6C_PC	F410_0.8C_PC	Pro	2 layers
COEX	Polycarbonate		n/a	F400_0.4_PC	F400_0.6_PC	F400-HFRC_PC	F410_0.4C_PC	F410_0.6C_PC	F410_0.8C_PC	Experienced	2 layers
Filaments.ca	"Novice" PC		n/a	F400_0.4_NovicePC	F400_0.6_NovicePC	F400-HFR_NovicePC	F410_0.4C_NovicePC	F410_0.6C_NovicePC	F410_0.8C_NovicePC	Pro	2 layers
Keene Village Plastics	Polycarbonate		n/a	F400_0.4_PC	F400_0.6_PC	F400-HFRC_PC	F410_0.4C_PC	F410_0.6C_PC	F410_0.8C_PC	Pro	2 layers
Polymaker	PolyMax PC		n/a	F400_0.4_PC	F400_0.6_PC	F400-HFRC_PC	F410_0.4C_PC	F410_0.6C_PC	F410_0.8C_PC	Pro	2 layers
Priline	Carbon Fiber PC	Carbon Fiber Reinforced	n/a	F400_0.4_PC	F400_0.6_PC	F400-HFRC_PC	F410_0.4C_PC	F410_0.6C_PC	F410_0.8C_PC	Experienced	2 layers
Push Plastic	PC+PBT	109°C TG, stiffness, impact performance, chemical resistance, of polycarbonate, easier to print	n/a	F400_0.4_PCPBT	F400_0.6_PCPBT	F400-HFRC_PCPBT	F410_0.4C_PC-PBT	F410_0.6C_PC-PBT	F410_0.8C_PC-PBT	Experienced	2 layers
Ultimachine	Polycarbonate		F306_PC	F400_0.4_PC	F400_0.6_PC	F400-HFRC_PC	F410_0.4C_PC	F410_0.6C_PC	F410_0.8C_PC	Pro	2 layers