

# FUSION3 CERTIFIED MATERIALS LIST

as of September 23, 2019

Fusion3 3D printers are only compatible with 1.75MM filament - **BOLD** items are new additions

## SIMPLIFY3D PROFILE TO USE

BRAND	NAME	NOTES	F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	DIFFICULTY	LAYERS OF GLUE STICK
<b>ABS</b>											
3DXTech	ABScent™ ABS	Transparent	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	Easy	3 layers
3DXTech	3DXMAX® 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	Easy	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	Easy	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	Easy	3 layers
3DXTech	3DXMAX® PC/ABS	Polycarbonate/ABS Blend	n/a	F400_0.4_3DXTechPC-ABS	F400_0.6_3DXTechPC-ABS		F410_0.4C_3DXTechPC-ABS	F410_0.6C_3DXTechPC-ABS	F410_0.8C_3DXTechPC-ABS	Hard	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	Easy	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	Easy	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	Easy	3 layers
<b>BASF Innofil3D</b>	<b>ABS</b>		<b>F306_ABS</b>	<b>F400_0.4_ABS</b>	<b>F400_0.6_COEX-ABS</b>	<b>F400-HFRC_COEX-ABS</b>	<b>F410_0.4C_ABS</b>	<b>F410_0.6C_ABS</b>	<b>F410_0.8C_ABS</b>	<b>Easy</b>	<b>3 layers</b>
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	Easy	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	Easy	3 layers
Filaments.ca	CF-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	Easy	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	Easy	3 layers
Hatchbox	ABS		n/a	F400_0.4_HatchABS	F400_0.6_HatchABS	F400-HFRC_HatchABS	F410_0.4C_HatchABS	F410_0.6C_HatchABS	F410_0.8C_HatchABS	Medium	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	Easy	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	Easy	3 layers
MatterHackers	Pro 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	Easy	3 layers
Meltink	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	Easy	3 layers
Premix	Preperm ABS550	Dielectric / Low Loss (5.5er)	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	Hard	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	Hard	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	Hard	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	Easy	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	Easy	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	Easy	3 layers
<b>ASA</b>											
3DXTech	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	Easy	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	Medium	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	Easy	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	Easy	3 layers
<b>FormFutura</b>	<b>ApolloX</b>	<b>"Modified ASA for 'almost injection molding like precision'"</b>		<b>F400_0.4_ASA</b>	<b>F400_0.6_ASA</b>	<b>F400-HFRC_ASA</b>	<b>F410_0.4C_ASA</b>	<b>F410_0.6C_ASA</b>	<b>F410_0.8C_ASA</b>	<b>Easy</b>	<b>3 layers</b>
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	Easy	3 layers
<b>CO-POLYESTER</b>											
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	Hard	2 layers gluestick
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	Hard	2 layers gluestick
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	Hard	2 layers gluestick
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	Hard	2 layers gluestick
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	Medium	2 layers gluestick
<b>FLEXIBLE (TPU/TPE)</b>											
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	Hard	2 layers
Filamentum	Flexfill 98A		n/a	F400_0.4_Semiflex	F400_0.6_Semiflex	F400-HFRC_Semiflex	F410_0.4C_Semiflex	F410_0.6C_Semiflex	F410_0.8C_Semiflex	Hard	2 layers
NinjaTech	SemiFlex		n/a	F400_0.4_Semiflex	F400_0.6_Semiflex	F400-HFRC_Semiflex	F410_0.4C_Semiflex	F410_0.6C_Semiflex	F410_0.8C_Semiflex	Hard	2 layers
NinjaTech	Cheetah		n/a	F400_0.4_Cheetah	F400_0.6_Cheetah		F410_0.4C_Cheetah	F410_0.6C_Cheetah	F410_0.8C_Cheetah	Medium	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	Hard	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	Medium	2 layers

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BRAND	NAME	NOTES	F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	DIFFICULTY	LAYERS OF GLUE STICK
<b>NYLON</b>											
3DXTech	AmideX™ PA6-GF30	Glass Fiber Reinforced	n/a	<b>F400_0.4_PA-GF</b>	<b>F400_0.6_PA-GF</b>	<b>F400_HFRC_PA-GF</b>	<b>F410_0.4C_PA-GF</b>	<b>F410_0.6C_PA-GF</b>	<b>F410_0.8C_PA-GF</b>	Hard	4 layers
3DXTech	iOn™ Nylon	"High thermal resistance, superior impact strength, improved solvment resistance"	n/a	F400_0.4_IOnNylonAlloy	F400_0.6_IOnNylonAlloy	F400_HFRC_IOnNylonAlloy	F410_0.4C_IOnNylon	F410_0.6C_IOnNylon	F410_0.8C_IOnNylon	Medium	3 layers
Breathe3DP	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	Hard	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	Hard	4 layers
Filaments.ca	Nylon 12 (PA-12)		n/a	F400_0.4_NylonPA12	F400_0.6_NylonPA12	F400_HFRC_NylonPA12	F410_0.4C_NylonPA12	F410_0.6C_NylonPA12	F410_0.8C_NylonPA12	Hard	3 layers
MatterHackers	NylonX	Carbon Fiber Reinforced	n/a	F400_0.4_NylonX	F400_0.6_NylonX	F410_0.4C_NylonX	F410_0.6C_NylonX	F410_0.8C_NylonX	Medium	4 layers	
Matterhackers	NylonG	Glass Fiber Reinforced	n/a	<b>F400_0.4_PA-GF</b>	<b>F400_0.6_PA-GF</b>	<b>F400_HFRC_PA-GF</b>	<b>F410_0.4C_PA-GF</b>	<b>F410_0.6C_PA-GF</b>	<b>F410_0.8C_PA-GF</b>	Hard	4 layers
Polymaker	PolyMide™ PA6-CF	Carbon Fiber Reinforced	n/a	<b>F400_0.4_PA-CF</b>	<b>F400_0.6_PA-CF</b>	<b>F400_HFRC_PA-CF</b>	<b>F410_0.4C_PA-CF</b>	<b>F410_0.6C_PA-CF</b>	<b>F410_0.8C_PA-CF</b>	Hard	4 layers
Polymaker	PolyMide™ PA6-GF	Glass Fiber Reinforced	n/a	<b>F400_0.4_PA-GF</b>	<b>F400_0.6_PA-GF</b>	<b>F400_HFRC_PA-GF</b>	<b>F410_0.4C_PA-GF</b>	<b>F410_0.6C_PA-GF</b>	<b>F410_0.8C_PA-GF</b>	Hard	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	Medium	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	Medium	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	Medium	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	Hard	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	Medium	4 layers
<b>OTHER</b>											
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	Medium	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	Medium	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	Medium	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	Medium	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	Medium	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	Medium	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	Medium	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	Hard	2 layers
<b>PETG / PET</b>											
3DXTech	MAX-G™ GF-20	Glass Fiber Reinforced	<b>F306_PETG</b>	<b>F400_0.4_PETG</b>	<b>F400_0.6_PETG</b>	<b>F400_HFRC_PETG</b>	<b>F410_0.4C_PETG</b>	<b>F410_0.6C_PETG</b>	<b>F410_0.8C_PETG</b>	Medium	2 layers
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	Medium	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	Medium	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	Hard	2 layers
3DXTech	Thermax™ GT High-Temp PETG	High TG PETG (100°C)	n/a	F400_0.4_3DXTechThermaxGT	F400_0.6_3DXTechThermaxGT	F400_HFRC_3DXTechThermaxGT	F410_0.4C_3DXTechThermaxGT	F410_0.6C_3DXTechThermaxGT	F410_0.8C_3DXTechThermaxGT	Hard	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	Medium	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	Easy	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	Easy	2 layers
<b>BASF Innofil3D</b>	<b>PET</b>		<b>F306_PET</b>	<b>F400_0.4_PET</b>	<b>F400_0.6_PET</b>	<b>F400_HFRC_PET</b>	<b>F410_0.4C_PET</b>	<b>F410_0.6C_PET</b>	<b>F410_0.8C_PET</b>	<b>Easy</b>	<b>2 layers</b>
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	Easy	2 layers
E3D Online	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	Medium	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	Easy	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	Medium	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	Medium	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	Easy	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	Easy	2 layers
<b>Taulman3D</b>	<b>guideline</b>	<b>High glass transition PETG, FDA safe in raw form</b>	<b>F306_PETG</b>	<b>F400_0.4_PETG</b>	<b>F400_0.6_PETG</b>	<b>F400_HFRC_PETG</b>	<b>F410_0.4C_PETG</b>	<b>F410_0.6C_PETG</b>	<b>F410_0.8C_PETG</b>	<b>Easy</b>	<b>2 layers</b>
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	Medium	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	Easy	2 layers
Verbatim	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	Easy	2 layers

# FUSION3 CERTIFIED MATERIALS LIST

as of September 23, 2019

Fusion3 3D printers are only compatible with 1.75MM filament - **BOLD** items are new additions

## SIMPLIFY3D PROFILE TO USE

BRAND	NAME	NOTES	F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	DIFFICULTY	LAYERS OF GLUE STICK
<b>PLA</b>											
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	Easy	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	Easy	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	Easy	1 layer
<b>3DXTech</b>	<b>ECOMAX® PLA</b>		<b>F306_PLA</b>	<b>F400_0.4_PLA</b>	<b>F400_0.6_PLA</b>	<b>F400-HFRC_PLA</b>	<b>F410_0.4C_PLA</b>	<b>F410_0.6C_PLA</b>	<b>F410_0.8C_PLA</b>	<b>Easy</b>	<b>1 layer</b>
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	Easy	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	Medium	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	Easy	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	Easy	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	Easy	1 layer
Atomic Filament	Glow in the Dark PLA	Glow-In-The-Dark	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	Medium	1 layer
<b>BASF Innofil3D</b>	<b>PLA</b>		<b>F306_PLA</b>	<b>F400_0.4_PLA</b>	<b>F400_0.6_PLA</b>	<b>F400-HFRC_PLA</b>	<b>F410_0.4C_PLA</b>	<b>F410_0.6C_PLA</b>	<b>F410_0.8C_PLA</b>	<b>Easy</b>	<b>1 layer</b>
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	Easy	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	Easy	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	Easy	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	Easy	1 layer
ColorFabb	GlowFill	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	Easy	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	Hard	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	Easy	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	Easy	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	Easy	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	Easy	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	Medium	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	Easy	1 layer
<b>Flenstech</b>	<b>PLA</b>		<b>F306_PLA</b>	<b>F400_0.4_PLA</b>	<b>F400_0.6_PLA</b>	<b>F400-HFRC_PLA</b>	<b>F410_0.4C_PLA</b>	<b>F410_0.6C_PLA</b>	<b>F410_0.8C_PLA</b>	<b>Easy</b>	<b>1 layer</b>
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	Easy	1 layer
FormFutura	MetalFil - Brass	70% metal powder, "real brass look and "cold" brass 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	Hard	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	Hard	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	Hard	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	Easy	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	Easy	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	Easy	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	Easy	1 layer
Keene Village Plastics	Perfrmance 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	Easy	1 layer
<b>Matterhackers</b>	<b>PRO Series Tough PLA</b>	<b>"Engineered for strength and durability... reliability and ease-of-use of PLA"</b>	<b>F306_PLA</b>	<b>F400_0.4_PLA</b>	<b>F400_0.6_PLA</b>	<b>F400-HFRC_PLA</b>	<b>F410_0.4C_PLA</b>	<b>F410_0.6C_PLA</b>	<b>F410_0.8C_PLA</b>	<b>Easy</b>	<b>1 layer</b>
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	Medium	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	Easy	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	Medium	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	Medium	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	Medium	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	Medium	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	Medium	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	Hard	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	Medium	1 layer
<b>Push Plastic</b>	<b>PLA</b>		<b>F306_PLA</b>	<b>F400_0.4_PLA</b>	<b>F400_0.6_PLA</b>	<b>F400-HFRC_PLA</b>	<b>F410_0.4C_PLA</b>	<b>F410_0.6C_PLA</b>	<b>F410_0.8C_PLA</b>	<b>Easy</b>	<b>1 layer</b>
<b>Sainsmart</b>	<b>PRO-3 Series PLA</b>		<b>F306_PLA</b>	<b>F400_0.4_PLA</b>	<b>F400_0.6_PLA</b>	<b>F400-HFRC_PLA</b>	<b>F410_0.4C_ProtoP-BronzePLA</b>	<b>F410_0.6C_PLA</b>	<b>F410_0.8C_PLA</b>	<b>Medium</b>	<b>1 layer</b>
Taulman3D	InPLA	Transparent, low warp, shiny finish	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	Easy	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	Easy	1 layer

# FUSION3 CERTIFIED MATERIALS LIST

as of September 23, 2019

Fusion3 3D printers are only compatible with 1.75MM filament - **BOLD** items are new additions

SIMPLIFY3D PROFILE TO USE

BRAND	NAME	NOTES	F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	DIFFICULTY	LAYERS OF GLUE STICK
<b>PLA</b>											
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	Easy	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	Easy	1 layer
<b>POLYCARBONATE</b>											
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	Hard	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	Medium	2 layers
Filaments.ca	"Easy" PC		n/a	F400_0.4_EasyPC	F400_0.6_EasyPC	F400-HFR_EasyPC	F410_0.4C_EasyPC	F410_0.6C_EasyPC	F410_0.8C_EasyPC	Hard	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	Hard	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	Hard	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	Medium	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	Medium	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	Hard	2 layers