


FUSION3 CERTIFIED MATERIALS LIST / RECOMMENDED PROFILES


updated as of 4/17/2018

 = newly added material

BRAND	NAME	PROFILE TO USE							DIFFICULTY
		F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	
PLA									
Atomic Filament	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
MakeShaper	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
ColorFabb	PLA/PHA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
MakeShaper	PLA/PHA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
Ultimachine	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
ProtoParadigm	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
IC3D	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
Hatchbox	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
Filaments.ca	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
JustPLA	JustPLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
ColorFabb	Glow PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	easy
Meltink	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
SPECIALTY PLA									
3D-Fuel	APLA (Advanced PLA)	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
Taulman3D	InPLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
ProtoParadigm	High Speed PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
ProtoParadigm	Max Speed PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Medium
Atomic Filament	GITD PLA	F306_CFPLA	F400_0.4_CFPLA	F400_0.6_CFPLA	F400-HFR_CFPLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Medium
Meltink	PLA/PHA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Medium
ProtoParadigm	High Speed High Impact PLA	n/a	n/a	n/a	n/a	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Medium
Filkemp	PLA-N	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
3DXTech	Ecomax HT-PLA		F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
INFUSED PLA									
ColorFabb	Woodfill	F306_WoodFill	F400_0.4_WoodFill	F400_0.6_Woodfill	F400-HFR_WoodFill	F410_0.4_Woodfill	F410_0.6_Woodfill	F410_0.8_Woodfill	Hard
ColorFabb	Bamboofill	F306_WoodFill	F400_0.4_WoodFill	F400_0.6_Woodfill	F400-HFR_WoodFill	F410_0.4_Woodfill	F410_0.6_Woodfill	F410_0.8_Woodfill	Hard
ColorFabb	GlowFill	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
Proto-Pasta	CF-PLA	F306_CFPLA	F400_0.4_CFPLA	F400_0.6_CFPLA	F400-HFR_CFPLA	F410_0.4_CFPLA	F410_0.6_CFPLA	F410_0.8_CFPLA	Medium
MakeShaper	CF-PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
Filaments.ca	CF-PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
Atomic Filament	CF-PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Easy
3DXTech	CarbonX CF-PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	Medium
ABS									
Atomic Filament	ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
MakeShaper	ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Ultimachine	ABS	F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
IC3D	ABS	F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Hatchbox	ABS		F400_0.4_HatchABS	F400_0.6_HatchABS	F400-HFR_HatchABS	F410_0.4_HatchABS	F410_0.6_HatchABS	F410_0.8_HatchABS	Medium
Verbatim	ABS		F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Filaments.ca	ABS		F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Meltink	ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
3DXTech	ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
SPECIALTY/INFUSED ABS									
3DXTech	ESD-ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
3DXTech	"CarbonX" CFR-ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Argyle Materials	Flame-retardant ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Atomic Filament	CF-ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Filaments.ca	CF-ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy
Filaments.ca	Flame-retardant ABS		F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	F410_0.4_ABS	F410_0.6_ABS	F410_0.8_ABS	Easy

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BRAND	NAME	PROFILE TO USE							DIFFICULTY
		F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	
ASA									
Filamentum	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	F410_0.4_ASA	F410_0.6_ASA	F410_0.8_ASA	Easy
Toner Plastics	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	F410_0.4_ASA	F410_0.6_ASA	F410_0.8_ASA	Easy
3DXMax	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	F410_0.4_ASA	F410_0.6_ASA	F410_0.8_ASA	Easy
Filaments.ca	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	F410_0.4_ASA	F410_0.6_ASA	F410_0.8_ASA	Easy
MakeShaper	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	F410_0.4_ASA	F410_0.6_ASA	F410_0.8_ASA	Easy
SPECIALTY ASA									
3DXTech	PC-ASA		F400_0.4_3DXTechPC-ASA	F400_0.6_3DXTechPC-ASA		F410_0.4_PC-ASA	F410_0.6_PC-ASA	F410_0.8_PC-ASA	Medium
PETG									
E3D Online	Edge	F306_Edge	F400_0.4_Edge	F400_Edge_0.6	F400-HFR_Edge	F410_0.4_Edge	F410_0.6_Edge	F410_0.8_Edge	Medium
MakeShaper	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	F410_0.4_PETG	F410_0.6_PETG	F410_0.8_PETG	Easy
Push Plastic	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	F410_0.4_PETG	F410_0.6_PETG	F410_0.8_PETG	Easy
Taulman3D	T-Glase	F306_TGlase	F400_0.4_T-Glase	F400_T-Glase_0.6	F400-HFR_T-Glase	F410_0.4_T-Glase	F410_0.6_T-Glase	F410_0.8_T-Glase	Medium
Toner Plastics	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	F410_0.4_PETG	F410_0.6_PETG	F410_0.8_PETG	Easy
Atomic Filament	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	F410_0.4_PETG	F410_0.6_PETG	F410_0.8_PETG	Easy
Filaments.ca	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	F410_0.4_PETG	F410_0.6_PETG	F410_0.8_PETG	Easy
Hatchbox	PETG		F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	F410_0.4_PETG	F410_0.6_PETG	F410_0.8_PETG	Medium
3DXTech	Max-G PETG		F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	F410_0.4_PETG	F410_0.6_PETG	F410_0.8_PETG	Medium
SPECIALTY PETG									
Atomic Filament	CF-PETG		F400_0.4_CF-PETG	F400_0.6_CF-PETG	F400-HFR_CF-PETG	F410_0.4_CF-PETG	F410_0.6_CF-PETG	F410_0.8_CF-PETG	Easy
3DXTech	Thermax GT		F400_0.4_3DXTechThermaxGT	F400_0.6_3DXTechThermaxGT		F410_0.4_3DXTechThermaxGT	F410_0.6_3DXTechThermaxGT	F410_0.8_3DXTechThermaxGT	Hard
3DXTech	"CarbonX" CFR-PETG		F400_0.4_CF-PETG	F400_0.6_CF-PETG	F400-HFR_CF-PETG	F410_0.4_CF-PETG	F410_0.6_CF-PETG	F410_0.8_CF-PETG	Easy
Taulman3D	T-Scale		F400_0.4_T-Scale	F400_0.6_T-Scale	F400-HFR_T-Scale	F410_0.4_T-Scale	F410_0.6_T-Scale	F410_0.8_T-Scale	Hard
3DXTech	3DXStat ESD-PETG		F400_0.4_3DXTechESD-PETG	F400_0.6_3DXTechESD-PETG		F410_0.4_3DXTechESD-PETG	F410_0.6_3DXTechESD-PETG	F410_0.8_3DXTechESD-PETG	Medium
PET									
Verbatim	PET	F306_PET	F400_0.4_PET	F400_0.6_PET	F400-HFR_PET	F410_0.4_PET	F410_0.6_PET	F410_0.8_PET	Easy
PC-ABS									
E3D Online	PC-ABS	F306_PCABS	F400_0.4_PCABS	F400_0.6_PCABS	F400-HFR_PCABS	F410_0.4_PC-ABS	F410_0.6_PC-ABS	F410_0.8_PC-ABS	Medium
3DXTech	3DMax PC-ABS		F400_0.4_3DXTechPC-ABS	F400_0.6_3DXTechPC-ABS		F410_0.4_3DXTechPC-ABS	F410_0.6_3DXTechPC-ABS	F410_0.8_3DXTechPC-ABS	Hard
NYLON									
3DXTech	Ion Nylon Alloy		F400_0.4_iOnNylonAlloy	F400_0.6_iOnNylonAlloy		F410_0.4_iOnNylon	F410_0.6_iOnNylon	F410_0.8_iOnNylon	Medium
Taulman3D	Alloy 910	F306_A910	F400_0.4_A910	F400_0.6_A910	F400-HFR_A910	F410_0.4_Alloy910	F410_0.6_Alloy910	F410_0.8_Alloy910	Medium
Taulman3D	Nylon 680	F306_Nylon680	F400_0.4_Nylon680	F400_0.6_Nylon680	F400-HFR_Nylon680	F410_0.4_Nylon680	F410_0.6_Nylon680	F410_0.8_Nylon680	Medium
Taulman3D	Nylon 645	F306_Nylon645	F400_0.4_Nylon645	F400_0.6_Nylon645	F400-HFR_Nylon645	F410_0.4_Nylon645	F410_0.6_Nylon645	F410_0.8_Nylon645	Hard
Taulman3D	Bridge Nylon	F306_Bridge	F400_0.4_Bridge	F400_0.6_Bridge	F400-HFR_Bridge	F410_0.4_Bridge	F410_0.6_Bridge	F410_0.8_Bridge	Medium
IC3D	Nylon		F400_0.4_IC3DNylon	F400_0.6_IC3DNylon	F400-HFR_IC3DNylon	F410_0.4_IC3DNylon	F410_0.6_IC3DNylon	F410_0.8_IC3DNylon	Medium
MatterHackers	NylonX		F400_0.4_NylonX	F400_0.6_NylonX		F410_0.4_NylonX	F410_0.6_NylonX	F410_0.8_NylonX	Medium
Filaments.ca	PA-12		F400_0.4_NylonPA12	F400_0.4_NylonPA12	F400-HFR_NylonPA12	F410_0.4_NylonPA12	F410_0.6_NylonPA12	F410_0.8_NylonPA12	Medium
FLEXIBLE (TPU / TPE)									
MakeShaper	Flexible TPU (85A)	n/a	F400_0.4_Flexible	F400_0.6_Flexible	F400-HFR_Flexible	F410_0.4_Flexible	F410_0.6_Flexible	F410_0.8_Flexible	Hard
Taulman3D	PCTPE	F306_PCTPE	F400_0.4_PCTPE	F400_0.6_PCTPE	F400-HFR_PCTPE	F410_0.4_PCTPE	F410_0.6_PCTPE	F410_0.8_PCTPE	Medium
NinjaTech	SemiFlex	n/a	F400_0.4_Semiflex	F400_0.6_Semiflex	F400-HFR_Semiflex	F410_0.4_Semiflex	F410_0.6_Semiflex	F410_0.8_Semiflex	Hard
Filamentum	Flexfill 98A		F400_0.4_Semiflex	F400_0.6_Semiflex	F400-HFR_Semiflex	F410_0.4_Semiflex	F410_0.6_Semiflex	F410_0.8_Semiflex	Hard
MakeShaper	Semi-Flexible TPU (95A)		F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU		F410_0.4_Flexible	F410_0.6_Flexible	F410_0.8_Flexible	Hard
Filaments.ca	TPU (90A)		F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU		F410_0.4_Flexible	F410_0.6_Flexible	F410_0.8_Flexible	Hard
Polymaker	Polyflex		F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU		F410_0.4_Flexible	F410_0.6_Flexible	F410_0.8_Flexible	Hard
NinjaTech	Cheetah	n/a	F400_0.4_Cheetah	F400_0.6_Cheetah		F410_0.4_Cheetah	F410_0.6_Cheetah	F410_0.8_Cheetah	Medium

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BRAND	NAME	PROFILE TO USE							DIFFICULTY
		F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	F410 (.4MM)	F410 (.6MM)	F410 (.8MM)	
OTHER POLYESTERS									
ColorFabb	XT-CF20	F306_XT-CF20	F400_0.4_XT-CF20	F400_0.6_XT-CF20	F400-HFR_XT-CF20	F410_0.4_XT-CF20	F410_0.6_XT-CF20	F410_0.8_XT-CF20	Hard
ColorFabb	XT		F400_0.4_XT	F400_0.6_XT	F400-HFR_XT	F410_0.4_XT	F410_0.6_XT	F410_0.8_XT	Hard
Taulman3D	N-vent	F306_nVent	F400_0.4_nVent	F400_0.6_nVent	F400-HFR_nVent	F410_0.4_nVent	F410_0.6_nVent	F410_0.8_nVent	Medium
ColorFabb	nGen	F306_nGen	F400_0.4_nGen	F400_0.6_nGen	F400-HFR_nGen	F410_0.4_nGen	F410_0.6_nGen	F410_0.8_nGen	Medium
Taulman3D	Tech-G		F400_0.4_Tech-G	F400_0.6_Tech-G		F410_0.4_TechG	F410_0.6_TechG	F410_0.8_TechG	Medium
ACRYLIC / PMMA									
E3D Online	PMMA (Acrylic)	F306_PMMA	F400_0.4_PMMA	F400_0.6_PMMA	F400-HFR_PMMA	F410_0.4_PMMA	F410_0.6_PMMA	F410_0.8_PMMA	Hard
HIPS									
Ultimachine	HIPS	F306_HIPS	F400_0.4_HIPS	F400_0.6_HIPS	F400-HFR_HIPS	F410_0.4_HIPS	F410_0.6_HIPS	F410_0.8_HIPS	Hard
POLYCARBONATE									
Ultimachine	Polycarbonate	F306_PC	F400_0.4_PC	F400_0.6_PC	F400-HFR_PC	F410_0.4_PC	F410_0.6_PC	F410_0.8_PC	Hard
Push Plastic	PC/PBT		F400_0.4_PCPBT	F400_0.6_PCPBT	F400-HFR_PCPBT	F410_0.4_PC-PBT	F410_0.6_PC-PBT	F410_0.8_PC-PBT	Medium
Filaments.ca	"Easy" PC		F400_0.4_EasyPC	F400_0.6_EasyPC	F400-HFR_EasyPC	F410_0.4_EasyPC	F410_0.6_EasyPC	F410_0.8_EasyPC	Hard
OTHER									
Taulman3D	Blueprint		F400_0.4_BluPrint	F400_0.6_BluPrint		F410_0.4_BluPrint	F410_0.6_BluPrint	F410_0.8_BluPrint	Medium
Polymaker	Polysmooth	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	F410_0.4_PLA	F410_0.6_PLA	F410_0.8_PLA	medium