

FUSION3 APPROVED MATERIALS / RECOMMENDED PROFILES

as of 8/23/2017

= new addition to list

PROFILE TO USE

BRAND	NAME	PROFILE TO USE				Difficulty
		F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	
PLA						
Atomic Filament	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
MakeShaper	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
ColorFabb	PLA/PHA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
MakeShaper	PLA/PHA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
Ultimachine	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
ProtoParadigm	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
IC3D	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
Hatchbox	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
Filaments.ca	PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
SPECIALTY PLA						
3D Fuel	APLA (Advanced PLA)	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
Taulman	InPLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
ProtoParadigm	High Speed PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
ProtoParadigm	Max Speed PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Medium
Atomic	GITD PLA	F306_CFPLA	F400_0.4_CFPLA	F400_0.6_CFPLA	F400-HFR_CFPLA	Medium
ProtoParadigm	High Speed High Impact PLA	n/a	n/a	n/a	n/a	Medium
INFUSED PLA						
ColorFabb	Woodfill	F306_WoodFill	F400_0.4_WoodFill	F400_0.6_Woodfill	F400-HFR_WoodFill	Hard
ColorFabb	BambooFill	F306_WoodFill	F400_0.4_WoodFill	F400_0.6_Woodfill	F400-HFR_WoodFill	Hard
ColorFabb	GlowFill	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
Proto-Pasta	CF-PLA	F306_CFPLA	F400_0.4_CFPLA	F400_0.6_CFPLA	F400-HFR_CFPLA	Medium
MakeShaper	CF-PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
Filaments.ca	CF-PLA	F306_PLA	F400_0.4_PLA	F400_0.6_PLA	F400-HFR_PLA	Easy
ABS						
Atomic Filament	ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
MakeShaper	ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
Ultimachine	ABS	F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
IC3D	ABS	F306_ABS	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
Hatchbox	ABS		F400_0.4_HatchABS	F400_0.6_HatchABS	F400-HFR_HatchABS	Medium
Filaments.ca	ABS		F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
SPECIALTY/INFUSED ABS						
3DXTech	ESD-ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
3DXTech	"CarbonX" CFR-ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
Argyle Materials	Flame-retardant ABS	F306_ABSpro	F400_0.4_ABS	F400_0.6_ABS	F400-HFR_ABS	Easy
ASA						
Filamentum	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	Easy
Toner Plastics	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	Easy
3DXMax	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	Easy
Filaments.ca	ASA		F400_0.4_ASA	F400_0.6_ASA	F400-HFR_ASA	Easy
SPECIALTY ASA						
3DXTech	PC-ASA		F400_0.4_3DXTechPC-ASA	F400_0.6_3DXTechPC-ASA		Medium
PETG						
E3D Online	Edge	F306_Edge	F400_0.4_Edge	F400_Edge_0.6	F400-HFR_Edge	Medium
MakeShaper	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	Easy
PushPlastic	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	Easy
Taulman3D	T-Glase	F306_TGlase	F400_0.4_T-Glase	F400_T-Glase_0.6	F400-HFR_T-Glase	Medium
Toner Plastics	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	Easy
Atomic Filament	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	Easy
Filaments.ca	PETG	F306_PETG	F400_0.4_PETG	F400_0.6_PETG	F400-HFR_PETG	Easy
Hatchbox	PETG					
SPECIALTY PETG						
Atomic Filament	CF-PETG		F400_0.4_CF-PETG	F400_0.6_CF-PETG	F400-HFR_CF-PETG	Easy
3DXTech	Thermax GT		F400_0.4_3DXTechThermaxGT	F400_0.6_3DXTechThermaxGT		Hard
3DXTech	"CarbonX" CFR-PETG		F400_0.4_CF-PETG	F400_0.6_CF-PETG	F400-HFR_CF-PETG	Hard
Taulman3D	T-Scale		F400_0.4_T-Scale	F400_0.6_T-Scale	F400-HFR_T-Scale	Easy
3DXTech	3DXStat ESD-PETG		F400_0.4_3DXTECH_ESD-PETG	F400_0.6_3DXTECH_ESD-PETG		Medium
PET						
Verbatim	PET	F306_PET	F400_0.4_PET	F400_0.6_PET	F400-HFR_PET	Easy
PC-ABS						
E3D Online	PC-ABS	F306_PCABS	F400_0.4_PCABS	F400_0.6_PCABS	F400-HFR_PCABS	Medium
3DXTech	3DMax PC-ABS		F400_0.4_3DXTechPC-ABS	F400_0.6_3DXTechPC-ABS		Hard
NYLON						
3DXTech	Ion Nylon Alloy		F400_0.4_iOnNylonAlloy	F400_0.6_iOnNylonAlloy		Medium
Taulman3D	Alloy 910	F306_A910	F400_0.4_A910	F400_0.6_A910	F400-HFR_A910	Medium
Taulman3D	Nylon 680	F306_Nylon680	F400_0.4_Nylon680	F400_0.6_Nylon680	F400-HFR_Nylon680	Medium

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BRAND	NAME	PROFILE TO USE				Difficulty
		F306	F400-S (.4MM)	F400-S (.6MM)	F400-HFR	
Taulman3D	Nylon 645	F306_Nylon645	F400_0.4_Nylon645	F400_0.6_Nylon645	F400-HFR_Nylon645	Hard
Taulman3D	Bridge Nylon	F306_Bridge	F400_0.4_Bridge	F400_0.6_Bridge	F400-HFR_Bridge	Medium
IC3D	Nylon		F400_0.4_IC3DNylon	F400_0.6_IC3DNylon	F400-HFR_IC3DNylon	Medium
MatterHackers	NylonX		F400_0.4_NylonX	F400_0.6_NylonX		Medium
Filaments.ca	PA-12		F400_0.4_NylonPA12	F400_0.4_NylonPA12	F400-HFR_NylonPA12	Medium
FLEXIBLE (TPU / TPE)						
MakeShaper	TPU 85A	n/a	F400_0.4_Flexible	F400_0.6_Flexible	F400-HFR_Flexible	Hard
Taulman3D	PCTPE	F306_PCTPE	F400_0.4_PCTPE	F400_0.6_PCTPE	F400-HFR_PCTPE	Medium
Ninjabflex	SemiFlex	n/a	F400_0.4_Semiflex	F400_0.6_Semiflex	F400_HFR_Semiflex	Hard
Filamentum	Flexfill 98A		F400_0.4_Semiflex	F400_0.6_Semiflex	F400_HFR_Semiflex	Hard
MakeShaper	TPU 95A		F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU		Hard
Filaments.ca	TPU (90A)		F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU		Hard
Polymaker	Polyflex		F400_0.4_Makeshaper TPU	F400_0.6_Makeshaper TPU		Hard
OTHER POLYESTERS						
ColorFabb	XT-CF20	F306_XT-CF20	F400_0.4_XT-CF20	F400_0.6_XT-CF20	F400-HFR_XT-CF20	Hard
ColorFabb	XT		F400_0.4_XT	F400_0.6_XT	F400-HFR_XT	Hard
Taulman3D	N-vent	F306_nVent	F400_0.4_nVent	F400_0.6_nVent	F400-HFR_nVent	Medium
ColorFabb	nGen	F306_nGen	F400_0.4_nGen	F400_0.6_nGen	F400_HFR_nGen	Medium
Taulman3D	Tech-G		F400_0.4_Tech-G	F400_0.6_Tech-G		Medium
ACRYLIC / PMMA						
E3D Online	PMMA (Acrylic)	F306_PMMA	F400_0.4_PMMA	F400_0.6_PMMA	F400-HFR_PMMA	Hard
HIPS						
Ultimachine	HIPS	F306_HIPS	F400_0.4_HIPS	F400_0.6_HIPS	F400-HFR_HIPS	Hard
SOLUABLE						
E3D Online	Scaffold	n/a	n/a	n/a	n/a	Hard
POLYCARBONATE						
Ultimachine	Polycarbonate	F306_PC	F400_0.4_PC	F400_0.6_PC	F400-HFR_PC	Hard
PushPlastic	PC/PBT		F400_0.4_PCPBT	F400_0.6_PCPBT	F400-HFR_PCPBT	Medium
OTHER						
Taulman3D	Blueprint		F400_0.4_BluePrint	F400_0.6_BluePrint		Medium