

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_CFPPLA | F400_0.4_CFPPLA | F400_0.6_CFPPLA | F400-HFR_CFPPLA | 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_CFPPLA | F400_0.4_CFPPLA | F400_0.6_CFPPLA | F400-HFR_CFPPLA | 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_CFPETG | F400_0.6_CFPETG | F400-HFR_CFPETG | Easy |
| 3DXTech | Thermax GT | | F400_0.4_3DXTechThermaxGT | F400_0.6_3DXTechThermaxGT | | Hard |
| 3DXTech | "CarbonX" CFR-PETG | | F400_0.4_CFPETG | F400_0.6_CFPETG | F400-HFR_CFPETG | 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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|-----------------------------|----------------|----------------|-------------------------|-------------------------|--------------------|------------|
| | | 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 |