### **FUSION3 CERTIFIED MATERIALS / PROFILE LIST (REACTOR PROFILES)**

OCTOBER 28, 2020 UPDATE

#### FUSION3 HAS CREATED OPTIMIZED PRINT SETTINGS (PROFILES) THAT ARE PRE-INSTALLED WITHIN REACTOR 3D PRINTING SOFTWARE

Please ONLY use materials specifially 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 / Items in bold and ORANGE HIGHLIGHTS are new additions

BRAND	NAME	FEATURES	LAYERS OF GLUE STICK	EXPERTISE REQUIRED
ABS	NAME	FEATURES	STICK	KEŲUIKED
BDXTECH	"CarbonX" Carbon Fiber ABS	Onder Film Drinformed	3	Mauiaa
DXTECH		Carbon Fiber Reinforced	3	Novice
DXTECH	3DXSTAT® ESD ABS	Electrostatic Discharge Carbon Fiber Reinforced	3	Novice
	ABS	Carbon Fiber Reinforced	3	Novice
nazon	ABS ABS		3	Novice Novice
omic Filament		Carbon Fiber Reinforced	3	
tomic Filament	Carbon Fiber Ultra Black ABS	Carbon Fiber Reinforced		Novice
ASF Innofil3D	ABS		3	Novice
DEX	ABS		3	Novice
laments.ca	ABS	Out on Filter Painternal	3	Novice
laments.ca	Carbon Fiber ABS	Carbon Fiber Reinforced	3	Novice
ash Forge	ABS		3	Novice
ormFutura	ABS		3	Novice
atchbox	ABS		3	Novice
3D	ABS		3	Novice
ene Village Plastics	ABS		3	Novice
mya	ABS CARBON	Carbon Fiber Reinforced	3	Experience
mya	ABS KEVLAR	Kevlar Fiber Reinforced	3	Experience
mya	ABS-ESD	Electrostatic Discharge	3	Pro
atterhackers	MH Build Series ABS		3	Novice
atterHackers	Pro Series ABS		3	Novice
eltink	ABS		3	Novice
tave	ABS		3	Novice
emix	Preperm ABS300	Dielectric/Low Loss (3.0er)	3	Novice
emix	Preperm ABS550	Dielectric/Low Loss (5.5er)	3	Novice
sh Plastic	ABS		3	Novice
timachine	ABS		3	Novice
urnachine erbatim	ABS		3	Novice
a Datim	ADO		3	Novice
SA				
DXTECH	3DXMAX® ASA	Combines mechanical strength, UV resistance and water resistance.	3	Novice
aments.ca	ASA	Combines mechanical strength, UV resistance and water resistance.	3	Novice
lamentum	ASA	Combines mechanical strength, UV resistance and water resistance.	3	Novice
rmFutura	ApolloX	"Modified ASA for 'almost injection molding like precision"	3	Novice
sh Plastic	ASA	Combines mechanical strength, UV resistance and water resistance.	3	Experience
oner Plastics	ASA	Combines mechanical strength, UV resistance and water resistance.	3	Novice
O-POLYESTERS olorFabb	НТ	TG of 100*C, "excellent durability and toughness".	2	Experience
olorFabb	HT Clear	TG of 100*C, "excellent durability and toughness". Same material as HT	2	Experience
olorFabb	nGen	Lower temperature, easy to print. No specific engineering-grade properties.	2	Experience
olorFabb	XT	FDA food contact safe, BPA free, high strength.	2	Experience
olorFabb	XT-CF20	Carbon Fiber reinforced, high strength.	2	Pro
LEXIBLE				
illamentum	Flexfill 98A	Technical semi-flexible filament that offers great mechanical properties such as high tear and tensile strength.	2	Pro
laments.ca	TPU (91A)	91A Shore Hardness TPU	2	Pro
ene Village Plastics	Semper-Flexx98	98A Shore Hardness TPU	2	Pro
njaTech	Armadillo	Polyurethane derivate, "providing 90% higher abrasion resistance than nylon	2	Pro
njaTech	Cheetah	materials."  Durable, abrasion resistant and impact strength.	2	Experience
.,	Silectan	Saladio, adiabion colocian and impact of origini	_	Едрополос
PS Planting	LUDO		6	F
eene Village Plastics	HIPS	Chemically soluble in Limonene.	3	Experience
timachine	HIPS	Chemically soluble in Limonene.	3	Experience
YLON				
XTECH	AmideX™ Nylon+GF30	30% glass fiber reinforced Nylon 6 Copolymer.	4	Pro
omic Filament	Carbon Fiber Nuclear Nylon V3	Carbon Fiber Reinforced	2	Experience
lorFabb	PA-CF Low Warp	Carbon Fiber Reinforced	2	Pro
aments.ca	Heavy Duty Carbon Fiber Nylon	Carbon Fiber Reinforced	4	Pro
aments.ca	Nylon PA12	Lower moisture absorption than Nylon 6 and UV resistant.	4	Pro
ene Village Plastics	Nylon		2	Experience
atterhackers	NylonG	Fiberglass Reinforced	4	Experience
atterHackers	NylonX	Carbon Fiber Reinforced	4	Experience
lymaker	PolyMide™ PA6-CF	Carbon Fiber Reinforced	4	Pro
			4	
lymaker	PolyMide™ PA6-GF	Fiberglass Reinforced		Pro
ulman3D	Alloy 910	"High tensile strength, durable, low shrinkage, chemical resistant, 90*C TG"	4	Experience
	Bridge Nylon	Low priced nylon, similar to 645, low moisture absorption.	4	Pro
		I limb attack the manable and black the manable of		
ulman3D	Nylon 645	High strength, machinable with no dust.	4	Pro
aulman3D aulman3D aulman3D reed		High strength, machinable with no dust. FDA food safe.	4 4 3	Pro Pro Experience

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	BRAND	NAME	FEATURES	LAYERS OF GLUE STICK	EXPERTISE REQUIRED
Notymanier   Notymanier   Department   Table is another in the State In Experiment   1   Paperment   1   Pap	OTHER				
Trend		Polyemooth	"Can be emonothed with Alcohol for layer free models"	1	Evperienced
Architectural Clay Decreative material ambiter NaSt, Suby powder archited 3 perpentioned and Architectural Carmentum to Decreative material ambiter NaSt, Suby powder archited 3 perpentioned 3 perpentio					
Page					
Architectural Dank Store Provid Architectural Dank Store Architectural Natural Mourandful Descrative material similar to ASS store (shaft) powers added.  3 Experienced Provided Architectural Storage Descrative material similar to ASS and embles (special added).  5 Experienced Descrative material similar to ASS and embles (special added).  5 Experienced District MAX (57 PPET)  DIXTERH MAX (57 PPET)  DIXTERH CONTROLL STORAGE STO					•
Page					
DESTRUCT   SUBJECT   SUBJECT   Substitute			·		
	Treed	Architectural: Sandy	Decorative material similar to ABS, stone sand-like powder added.	3	Experienced
DOMESTED   DOMESTED   Decisionate Dechange   2   Experience   2   Experience   3   Part	PETG	MAN ON DETO			
DESCRIPTION   Carbon Floer PETG					
Meason					
	3DXTECH	CarbonX™ Carbon Fiber PETG	Carbon Fiber Reinforced		Pro
Attained   Carbon Fiber PET   Carbon Fiber Reinforced   2   Experimental Cock   2   Experimental Coc	Amazon	PETG			Experienced
RASE Finantish   PFT	Atomic Filament	PETG		2	Experienced
ORD   PETG	Atomic Filament	Carbon Fiber PETG	Carbon Fiber Reinforced		Pro
ESB Sprodoroks   Edge   2   Experienced   2   Experienced   3   Experienced   4   Ex	BASF Innofil3D	PET			Experienced
Experimental	COEX	PETG		2	Experienced
Hatchbox   PFTG	E3D Spoolworks	Edge		2	Experienced
Hatchbox   PFTG	Filaments.ca	PETG		2	Experienced
CSD   PETG   2   Experienced	Hatchbox				
	IC3D				
Pixel Plastic   PETG					
SammardD					
TaulmanD Tollane Patters PETG			High glass transition PETG EDA safe in row form		
PCFG		-			•
PT			FDA sale in raw form, low TG/.		
### PoPLA (V2)   "Higher tensile strength than ABS, higher impact strength than ABS"   1 Novice ###					
Pro PLA (02)	verbatim	PEI		2	∟xperienced
23-Fuel   Workday PLA   "Stronger and more heat resistant than standard PLA"   1 Novice	PLA				
SAMAkers	3D-Fuel	, ,			
SDXTECH	3D-Fuel				
SMYECH	3D4Makers	Facilian C8	"Higher tensile strength than ABS, higher impact strength than ABS"	1	Novice
SOME   FORMATION	3DXTECH	3DXSTAT™ ESD PLA	Electrostatic Discharge	1	Experienced
SDYTECH	3DXTECH	CarbonX™ Carbon Fiber PLA		1	
Manzon	3DXTECH			1	
Amolen   Temp Color Change PLA   Changes color when heated above 33°C.   1   Novice Carbon Fiber Exterme PLA   Carbon Fiber Reinforced   1   Experienced Atomic Filament   Cilow in the Dark PLA   Cilow in The Dark (highly abrasive)   1   Novice BASF Innofil30   PLA   1   Novice BASF Innofil30   PLA   1   Novice BASF Innofil30   PLA   1   Novice Casius Tech   PLA   1   Novice Color Fabb   CilowFill   Cilow In The Dark (highly abrasivel)   1   Novice Color Fabb   PLA/PHA   1   Novice Color Fabb   PLA   1   Novice Color	Amazon			1	
Atomic Filament	Amolen		Changes color when heated above 33*C.	1	
Atomic Filament         Glow in the Dark PLA         Glow in The Dark (highly abrasivel)         1         Experienced Annolization           BASF InnoliZation         PLA         1         Novice BASF InnoliZation         1         Novice BASF InnoliZation         1         Novice BASF InnoliZation         1         Novice Castus Toth         1         Novice Castus Toth <td>Atomic Filament</td> <td></td> <td></td> <td></td> <td></td>	Atomic Filament				
Attomic Filament   PLA   State   Sta					
BASF Innofil30					
BuMat				•	
Designation   PLA					
DCEX   PLA   GlowFill   Glow in The Dark (highly abrasive!)   1   Novice ColorFabb   PLA/PHA   1   Novice ColorFabb   PLA/PHA   1   Novice ColorFabb   PLA/PHA   1   Novice ColorFabb   PLA/PHA   1   Novice Essentium   PLA/TR   "Decreased Brittleness, superior tensive strength, better impact resistance"   1   Novice Essentium   PLA/TR   "Decreased Brittleness, superior tensive strength, better impact resistance"   1   Novice PLA/TR   Tool of the				•	
Colorfabb					
ColorFabb   PLA/PHA   WoodFilled   1   Novice			Clow In The Dark (highly obracive)	•	
ColorFabb Woodfill Wood Filled 1 Experienced			GIOW III THE DAIK (HIGHIY ADIASIVE!)		
Essentium PLA XTR "Decreased Brittleness, superior tensive strength, better impact resistance" 1 Novice SUN PLA 3D 1 Novice Plaments.ca Carbon Fiber PLA Carbon Fiber Reinforced 1 Experienced 1 Novice Filaments.ca Tough PLA 1 "Food safe (FDA Approved Raw Materials)" 1 Novice Filaments.ca TRUE Food Safe PLA "Food safe (FDA Approved Raw Materials)" 1 Novice Filaments.ca TRUE Food Safe PLA "Food safe (FDA Approved Raw Materials)" 1 Novice Filaments.ca TRUE Food Safe PLA Use PLA profile 1 Novice Form-Futura PLA 881N 1 Novice Form-Futura PLA 881N 1 Novice Form-Futura MetalFil - Classic Copper 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Proform-Futura MetalFil - Classic Copper 80% metal powder, "real copper look and "cold" copper metal feel" 1 Novice Nene Village Plastics PLA 1 Novice Nettink			Wood Filled		
SSUN					
Ellaments.ca			Decreased Brittieness, superior tensive strength, better impact resistance"	·	
Filaments.ca Tough PLA TRUE Food Safe PLA "Food safe (FDA Approved Raw Materials)" 1 Experienced Filkemp PLA 881N 1 Novice Formerburg PLA Use PLA profile 1 Novice FormFutura FasyFill PLA FormFutura MetalFil - Ancient Bronze 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Pro FormFutura MetalFil - Classic Copper 80% metal powder, "real copper look and "cold" copper metal feel" 1 Pro Hatchbox PLA 1 Novice PLA 1 N	eSUN				
Filaments.ca TRUE Food Safe PLA "Food safe (FDA Approved Raw Materials)" 1 Experienced Filaments PLA 881N 1 Novice PLA 91N 1 Novice PLA 91N Use PLA profile 1 Novice PLA 1 Safe PLA 1 Use PLA profile 1 Novice Pormutura EasyFill PLA 1 Novice Pormutura 1 MetalFil- Ancient Bronze 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Pro Pro Form Futura MetalFil- Classic Copper 80% metal powder, "real copper look and "cold" copper metal feel" 1 Pro Pro Plat 1 Novice PLA 1 N	Filaments.ca		Carbon Fiber Reinforced	·	
Filkemp PLA 881N 1 Novice Flenstech PLA Use PLA profile 1 Novice Flenstech PLA Use PLA profile 1 Novice FormFutura EasyFill PLA 1 Novice FormFutura MetalFil - Classic Copper 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Pro Hatchbox PLA 1 Novice CSD PLA 1 Novice CSD PLA 1 Novice Keene Village Plastics Perfromance PLA "High heat, high impact grade of PLA alternative to ABS" 1 Novice Keene Village Plastics PLA 1 Novice Matterhackers PLA 5 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 1 Novice Metlink PLA/PHA 5 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 5 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 5 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Metlink PLA/PHA 6 Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novic	Filaments.ca				
Flenstech PLA Use PLA profile 1 Novice FormFutura EasyFill PLA 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Pro FormFutura MetalFil - Ancient Bronze 80% metal powder, "real copper look and "cold" copper metal feel" 1 Pro Hatchbox PLA 1 Novice CC3D PLA 1 Novice CC3D PLA 1 Novice Keene Village Plastics Perfromance PLA "High heat, high impact grade of PLA alternative to ABS" 1 Novice Keene Village Plastics PLA 1 Novice MadMaker PLA 1 Novice MadMaker PLA 1 Novice Meltink PLA 1 Novice Meltink PLA 1 Novice Meltink PLAPHA Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Meltink PLAPHA Brass (Metal) Reinforced 1 Novice Proto-Pasta Bronze-Filled HTPLA Bronze (Metal) Reinforced 1 Experienced Proto-Pasta Carbon Fiber PLA Carbon Fiber Reinforced 1 Experienced Proto-Pasta Composite Conductive PLA Informerature Resistance 1 Experienced Proto-Pasta Informatic PLA Informerature Resistance 1 Experienced Proto-Pasta PLA Informerature Resistance 1	Filaments.ca		"Food safe (FDA Approved Raw Materials)"	•	
FormFutura MetalFil - Ancient Bronze 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Pro FormFutura MetalFil - Classic Copper 80% metal powder, "real copper look and "cold" copper metal feel" 1 Pro Hatchbox PLA 1 Novice Classic Copper PLA 1 Novice Classic Cl	Filkemp	PLA 881N		1	Novice
FormFutura MetalFil - Ancient Bronze 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Pro FormFutura MetalFil - Classic Copper 80% metal powder, "real copper look and "cold" copper metal feel" 1 Pro Hatchbox PLA 1 Novice Classic Copper PLA 1 Novice Classic Cl	Flenstech	PLA	Use PLA profile	1	Novice
FormFutura MetalFil - Ancient Bronze 80% metal powder, "real bronze look and "cold" bronze metal feel" 1 Pro FormFutura MetalFil - Classic Copper 80% metal powder, "real copper look and "cold" copper metal feel" 1 Pro Hatchbox PLA 1 Novice IC3D PLA 1 Novice Keene Village Plastics Performance PLA "High heat, high impact grade of PLA alternative to ABS" 1 Novice Keene Village Plastics PLA 1 Novice Keene Village Plastics PLA 1 Novice Matterhackers PRO Series Tough PLA "Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Meltink PLA Matterhackers PRO Series Tough PLA "Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Meltink PLA Meltink PLA Methink PLA Methin	FormFutura	EasyFill PLA		1	
FormFutura MetalFil - Classic Copper 80% metal powder, "real copper look and "cold" copper metal feel" 1 Novice PLA 1 Novice PLA 1 Novice PLA 1 Novice JustPLA 1 JustPLA 1 Novice JustPLA 1 JustPLA 1 Novice PLA 1 Novice Plate PLA 1 Novice Plate PLA 1 Novice Plate Plate PLA 1 Novice Plate Plate PLA 1 Novice Plate Pla	FormFutura		80% metal powder, "real bronze look and "cold" bronze metal feel"	1	
Hatchbox PLA 1 Novice CC3D PLA 1 Novice DLA 1 Novice UserPLA JustPLA 1 Novice UserPLA 1 Novice Machine Plastics Perfromance PLA "High heat, high impact grade of PLA alternative to ABS" 1 Novice Keene Village Plastics PLA 1 Novice MadMaker PLA 1 Novice MadMaker PLA 1 Novice Matterhackers PRO Series Tough PLA "Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Meltink PLA/PHA 1 Novice Meltink PLA/PHA 1 Novice Proto-Pasta Brass-Filled HTPLA Brass (Metal) Reinforced 1 Experienced Proto-Pasta Bronze-filled HTPLA Bronze (Metal) Reinforced 1 Experienced Proto-Pasta Carbon Fiber PLA Carbon Fiber Reinforced 1 Experienced Proto-Pasta Composite Conductive PLA 1 Experienced Proto-Pasta Composite Conductive PLA 1 Experienced Proto-Pasta HTPLA High Temperature Resistance 1 Experienced Proto-Pasta HTPLA High Temperature Resistance 1 Experienced Proto-Pasta HTPLA High Temperature Resistance 1 Novice Proto-Pasta HTPLA High Temperature Resistance 1 Novice Proto-Pasta HTPLA High Temperature Resistance 1 Novice Sainsmart PRO-3 Series PLA I I Experienced Proto-Pasta PRO-3 Series PLA I I Novice Sainsmart PRO-3 Series PLA I I Novice Sainsmart PRO-3 Series PLA I I Novice PLA I Novice Sainsmart PLA I I Novice Sai	FormFutura				
C3D	Hatchbox				
JustPLA     JustPLA     Invoice       Keene Village Plastics     Perfromance PLA     "High heat, high impact grade of PLA alternative to ABS"     1     Novice       MadMaker     PLA     1     Novice       Matterhackers     PRO Series Tough PLA     "Engineered for strength and durability reliability and ease-of-use of PLA"     1     Novice       Meltink     PLA     1     Novice       Meltink     PLA/PHA     1     Novice       Octave     PLA     1     Novice       Proto-Pasta     Brass-Filled HTPLA     Brass (Metal) Reinforced     1     Experienced       Proto-Pasta     Bronze-Filled HTPLA     Bronze (Metal) Reinforced     1     Experienced       Proto-Pasta     Carbon Fiber PLA     Carbon Fiber Reinforced     1     Experienced       Proto-Pasta     Composite Conductive PLA     1     Experienced       Proto-Pasta     Copper PLA     1     Experienced       Proto-Pasta     Inon-Filled PLA     High Temperature Resistance     1     Experienced       Proto-Pasta     Inon-Filled PLA     Iron (Metal) Reinforced     1     Proto-Pasta       Push Plastic     PLA     1     Novice       Sainsmart     PRO-3 Series PLA     1     Novice       Verbatim     PLA     1<	IC3D				
Keene Village Plastics Perfromance PLA "High heat, high impact grade of PLA alternative to ABS" 1 Novice Keene Village Plastics PLA 1 Novice MadMaker PLA+  Matterhackers PRO Series Tough PLA "Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Meltink PLA	JustPLA				
Keene Village Plastics     PLA     1     Novice       MadMaker     PLA+     1     Novice       Metterhackers     PRO Series Tough PLA     "Engineered for strength and durability reliability and ease-of-use of PLA"     1     Novice       Meltlink     PLA     1     Novice       Meltlink     PLA/PHA     1     Experienced       Octave     PLA     1     Novice       Proto-Pasta     Brass-Filled HTPLA     Brass (Metal) Reinforced     1     Experienced       Proto-Pasta     Bronze (Filled HTPLA     Bronze (Metal) Reinforced     1     Experienced       Proto-Pasta     Carbon Fiber PLA     Carbon Fiber Reinforced     1     Experienced       Proto-Pasta     Composite Conductive PLA     1     Experienced       Proto-Pasta     Copper PLA     1     Experienced       Proto-Pasta     HTPLA     High Temperature Resistance     1     Experienced       Proto-Pasta     Iron-Filled PLA     Iron (Metal) Reinforced     1     Pro       Push Plastic     PLA     1     Novice       Sainsmart     PRO-3 Series PLA     1     Novice       Verbatim     PLA     1     Novice       Verbatim     PLA     1     Novice       Ziro3D     Carbon Fiber PL			"High heat high impact grade of PLA alternative to ARS"		
MadMaker     PLA+     1 Novice       Matterhackers     PRO Series Tough PLA     "Engineered for strength and durability reliability and ease-of-use of PLA"     1 Novice       Meltink     PLA     1 Experienced       Meltink     PLA/PHA     1 Novice       Octave     PLA     1 Novice       Proto-Pasta     Brass-Filled HTPLA     Brass (Metal) Reinforced     1 Experienced       Proto-Pasta     Bronze Filled HTPLA     Bronze (Metal) Reinforced     1 Experienced       Proto-Pasta     Carbon Fiber PLA     Carbon Fiber Reinforced     1 Experienced       Proto-Pasta     Composite Conductive PLA     1 Experienced       Proto-Pasta     Copper PLA     1 Experienced       Proto-Pasta     HTPLA     High Temperature Resistance     1 Experienced       Proto-Pasta     Iron-Filled PLA     Iron (Metal) Reinforced     1 Pro       Push Plastic     PLA     1 Novice       Sainsmart     PRO-3 Series PLA     1 Seperienced       Verbatim     PLA     1 Novice       Verbatim     PLA     1 Novice       Ziro3D     Carbon Fiber PLA     1 Experienced			gcut, mgm impact grade of 1 LA diterriative to ADO		
Matterhackers PRO Series Tough PLA "Engineered for strength and durability reliability and ease-of-use of PLA" 1 Novice Meltink PLA 1 Novice Meltink PLA 1 Novice Meltink PLA 1 Experienced Octave PLA 1 Experienced Proto-Pasta Proto-Pasta Brass-Filled HTPLA Bross (Metal) Reinforced 1 Experienced Proto-Pasta Bronze-Filled HTPLA Bronze (Metal) Reinforced 1 Experienced 1 Experienced Proto-Pasta Carbon Fiber PLA Carbon Fiber Reinforced 1 Experienced Proto-Pasta Composite Conductive PLA 1 Experienced Proto-Pasta Copper PLA 1 Experienced Proto-Pasta Copper PLA 1 Experienced Proto-Pasta Copper PLA 1 Experienced Proto-Pasta Proto-Pasta HTPLA High Temperature Resistance 1 Experienced Proto-Pasta Iron-Filled PLA Iron (Metal) Reinforced 1 Proto-Pasta Plastic PLA 1 Novice Sainsmart PRO-3 Series PLA 1 Novice Sainsmart PRO-3 Series PLA 1 Novice Verbatim PLA 1 Novice Verbatim PLA 1 Novice Novice Ziro3D Carbon Fiber PLA 1 Novice					
Meltink         PLA         1         Novice           Meltink         PLA/PHA         1         Experienced           Octave         PLA         1         Novice           Proto-Pasta         Brass-Filled HTPLA         Brass (Metal) Reinforced         1         Experienced           Proto-Pasta         Bronze-Filled HTPLA         Bronze (Metal) Reinforced         1         Experienced           Proto-Pasta         Carbon Fiber PLA         Carbon Fiber Reinforced         1         Experienced           Proto-Pasta         Composite Conductive PLA         1         Experienced           Proto-Pasta         Copper PLA         1         Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1         Experienced           Proto-Pasta         Inon-Filled PLA         Iron (Metal) Reinforced         1         Novice           Push Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced			"Engineered for strength and durability, reliability and cook of pure of DLA"	<u> </u>	
Meltink         PLA/PHA         1         Experienced           Octave         PLA         1         Novice           Proto-Pasta         Brass-Filled HTPLA         Brass (Metal) Reinforced         1         Experienced           Proto-Pasta         Bronze (Filled HTPLA         Bronze (Metal) Reinforced         1         Experienced           Proto-Pasta         Carbon Fiber PLA         Carbon Fiber Reinforced         1         Experienced           Proto-Pasta         Copper PLA         1         Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1         Experienced           Proto-Pasta         Iron-Filled PLA         Iron (Metal) Reinforced         1         Proto-Pasta           Plush Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Verbatim         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced		ū .	Engineered for strength and durability reliability and ease-or-use of PLA		
Octave         PLA         1 Novice           Proto-Pasta         Brass-Filled HTPLA         Brass (Metal) Reinforced         1 Experienced           Proto-Pasta         Bronze-Filled HTPLA         Bronze (Metal) Reinforced         1 Experienced           Proto-Pasta         Carbon Fiber PLA         Carbon Fiber Reinforced         1 Experienced           Proto-Pasta         Composite Conductive PLA         1 Experienced           Proto-Pasta         Copper PLA         1 Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1 Experienced           Proto-Pasta         Iron-Filled PLA         Iron (Metal) Reinforced         1 Pro           Push Plastic         PLA         1 Novice           Sainsmart         PRO-3 Series PLA         1 Experienced           Ultimachine         PLA         1 Novice           Verbatim         PLA         1 Novice           Ziro3D         Carbon Fiber PLA         1 Experienced					
Proto-Pasta         Brass-Filled HTPLA         Brass (Metal) Reinforced         1         Experienced           Proto-Pasta         Bronze-Filled HTPLA         Bronze (Metal) Reinforced         1         Experienced           Proto-Pasta         Carbon Fiber PLA         1         Experienced           Proto-Pasta         Composite Conductive PLA         1         Experienced           Proto-Pasta         Copper PLA         1         Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1         Experienced           Push Plastic         PLA         1         Novice           Push Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced					
Proto-Pasta         Bronze-Filled HTPLA         Bronze (Metal) Reinforced         1         Experienced           Proto-Pasta         Carbon Fiber PLA         Carbon Fiber Reinforced         1         Experienced           Proto-Pasta         Composite Conductive PLA         1         Experienced           Proto-Pasta         Copper PLA         1         Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1         Experienced           Proto-Pasta         Iron-Filled PLA         Iron (Metal) Reinforced         1         Novice           Plush Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced			Down (MAA) N.D. is formal		
Proto-Pasta         Carbon Fiber PLA         Carbon Fiber Reinforced         1         Experienced           Proto-Pasta         Composite Conductive PLA         1         Experienced           Proto-Pasta         Copper PLA         1         Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1         Experienced           Proto-Pasta         Iron-Filled PLA         Iron (Metal) Reinforced         1         Novice           Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced					
Proto-Pasta         Composite Conductive PLA         1         Experienced           Proto-Pasta         Copper PLA         1         Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1         Experienced           Proto-Pasta         Iron-Filled PLA         1         Pro           Push Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced					
Proto-Pasta         Copper PLA         1         Experienced           Proto-Pasta         HTPLA         High Temperature Resistance         1         Experienced           Proto-Pasta         Iron-Filled PLA         1         Pro           Push Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Userbatim         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced			Carbon Fiber Reinforced		
Proto-Pasta     HTPLA     High Temperature Resistance     1     Experienced       Proto-Pasta     Iron-Filled PLA     Iron (Metal) Reinforced     1     Pro       Push Plastic     PLA     1     Novice       Sainsmart     PRO-3 Series PLA     1     Experienced       Ultimachine     PLA     1     Novice       Verbatim     PLA     1     Novice       Ziro3D     Carbon Fiber PLA     1     Experienced	Proto-Pasta				
Proto-Pasta         Iron-Filled PLA         Iron (Metal) Reinforced         1         Pro           Push Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced	Proto-Pasta	Copper PLA		1	Experienced
Push Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced	Proto-Pasta	HTPLA	High Temperature Resistance	1	Experienced
Push Plastic         PLA         1         Novice           Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced	Proto-Pasta	Iron-Filled PLA	Iron (Metal) Reinforced	1	Pro
Sainsmart         PRO-3 Series PLA         1         Experienced           Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced	Push Plastic			1	
Ultimachine         PLA         1         Novice           Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced	Sainsmart				
Verbatim         PLA         1         Novice           Ziro3D         Carbon Fiber PLA         1         Experienced				•	
Ziro3D Carbon Fiber PLA 1 Experienced					
ZIPOZI) DIA 1 Mandara	Ziro3D	PLA		4	Novice

## **FUSION3 CERTIFIED MATERIALS / PROFILE LIST (REACTOR PROFILES)**

OCTOBER 28, 2020 UPDATE

#### $\textbf{FUSION3} \textbf{ HAS CREATED OPTIMIZED PRINT SETTINGS (PROFILES) THAT ARE PRE-INSTALLED WITHIN REACTOR \textbf{ 3D PRINTING SOFTWARE}$

Please ONLY use materials specifially 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 / Items in bold and ORANGE HIGHLIGHTS are new additions

BRAND	NAME	FEATURES	LAYERS OF GLUE STICK	EXPERTISE REQUIRED
POLYCARBONATE				
3DXTECH	3DXMAX® PC/ABS	Polycarbonate/ABS blend	3	Novice
3DXTECH	3DXMAX® PC/ASA		2	Pro
3DXTECH	3DXSTAT™ ESD PC	Electrostatic Discharge	2	Pro
COEX	Polycarbonate		2	Experienced
Filaments.ca	"Easy" PC		2	Pro
Keene Village Plastics	Polycarbonate		2	Pro
Polymaker	PolyLite PC		2	Pro
Polymaker	PolyMax PC		2	Pro
Priline	Carbon Fiber PC	Carbon Fiber Reinforced	2	Experienced
Proto-Pasta	PC-ABS	Polycarbonate/ABS Blend	3	Novice
Push Plastic	PC+PBT	Addition of PBT to Polycarbonate makes material much easier to print while maintaining many of same qualities: 109*C TG, stiffness, impact performance, chemical resistance.	2	Experienced
Ultimachine	Polycarbonate		2	Pro