



**ADDITIVE  
MANUFACTURING  
TECHNOLOGIES**



postpro3D™

# SUCCESS TRACKER

AMT'S TECHNOLOGIES HAVE BEEN DEVELOPED TO PROCESS THERMOPLASTIC POLYMER MATERIALS. CURRENTLY THE TECHNOLOGY CAN PROCESS POLYAMIDE (NYLON) (6,11,12), FLAME RETARDANT NYLONS, CARBON/GLASS FILLED DERIVATIVES OF NYLONS, ULTEM, PMMA, THERMOPLASTIC POLYURETHANE (TPU), AND THERMOPLASTIC ELASTOMERS (TPE).

THIS DOCUMENT CONTAINS 95 PROVEN MATERIALS THAT ARE COMPATIBLE WITH AMT'S POSTPRO3D. \*CONTENT IS SUBJECT TO CHANGE AT ANY TIME.



**3D SYSTEMS**

MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
DuraForm HST	Fiber-reinforced Nylon 12 (PA 12)	Polyamide-12	LS
DuraForm GF	GF/PA12		
DuraForm FR1200	Nylon 12 (PA 12)		
DuraForm EX White	Nylon 11 White	Polyamide-11	
DuraForm EX Black	Nylon 11 Black (PA 11 Black)		

**ARKEMA**

MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Rilsan PA11	High performance polyamide 100% bio-based	Polyamide - 11	LS

**alm**

MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
640 - GSL	CF/GS/PA 12	Polyamide-12	LS
PA 650	PA 12		
PA 603 - CF	Carbon fiber/PA 12		
PA 415 - GS	40% Glass/ PA 12		
PA 550 - ACF	CF/Alum./PA 12		
PA 602 - CF	Carbon fiber/PA 12		
PA 605 - A	50% Alum./ PA 12		
PA 614 - GS	40% Glass/PA 12		
PA 615 - GS	50% Glass/PA 12		
PA 616 - GS	50% Glass/PA 12		
HP 11 - 30	Carbon fiber/PA 11	Polyamide-11	
FR- 106	Fire retardant PA 11		
FR- 106	Fire retardant PA 11		
PA 802 - CF	Carbon fiber/PA 11		
PA 803 - CF	Carbon fiber/PA 11		
PA 840 - GSL	PA 11		
TPE 210 (White)	Thermoplastic Elastomer	Thermoplastic Elastomer	
TPE 210 (Pink)	Thermoplastic Elastomer		

**BASF**

We create chemistry

MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Ultrasint PA6	Polyamide 6	Polyamide - 6	LS
Ultrasint PA6 Black	Polyamide 6/Black additive		
Ultrasint PA6 MF Black	Polyamide 6/ Mineral reinforcement		
Ultrasint PA6 LM Black	Low Melting Polyamide 6		
Ultrasint PA6 FR Black	Fire Retardant Polyamide 6		
Ultrasint TPU01	TPU - Thermoplastic Polyurethane	Thermoplastic Polyurethane	



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Arnite - ID 3040	PET- Polyethylene Terephthalate	Polyethylene Terephthalate	FFF
Arnitel - ID 2045	TPC- Thermoplastic Copolyester	Thermoplastic Copolyester	
Arnitel HT - ID 2060	High Performance TPC		
Novamid - ID 1070	Polyamide 6/66	Polyamide - 6/66	
Novamid CF10 - ID 1030	Carbon fiber/Polyamide 6/66		



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Amphora™ SP1621 3D	Eastman Amphora™ SP1621 3D	TPE	LS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Ultrafuse Z	PA/ Carbon nanotubes	Copolyester PA	HSE
Essentium TPU 80A	BASF Formulated TPU Shore 80A	Thermoplastic Polyurethane	
Essentium PAHT-CF	High Temperature PA6/ 25% chopped CF loading	Polyamide - 6	
Essentium PA	Nylon	Polyamide-12	
Essentium HTN	High Temperature Nylon		
Essentium HTNCF25	High Temp. Nylon/ 25% chopped CF load		
Essentium PACF	Nylon 12/Carbon Fiber		
Essentium Copolyester PCTG	Grey, Copolyester	Copolyester PCTG	
Essentium Z - PCTG	Copolyester- Multiwall Carbon Nanotube (MWCNT)		



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
PA 2200	PA12	Polyamide-12	SLS
PrimePart PLUS	PA12		
PA 2202 black	PA 12 + Black pigments		
Alumide	Alum./PA12		
PA 3200 GF	GF/PA12		
PA 1102 black	Polyamide 11 black (PA 11 black)	Polyamide - 11	
PA 1101	Polyamide 11 (PA 11)		
PrimePart ST	TPE-A Polyetheramide- Block-Copolymer (PEBA 2301)	Thermoplastic Elastomer	



# ADDITIVE MANUFACTURING TECHNOLOGIES

## SUCCESS TRACKER POSTPRO3D PROVEN MATERIALS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Vestosint 3D Z2773	TPA - Polyamide 12 based powder	Thermoplastic Alloy	MJF



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
FS 3300 PA	PA1212	PA1211	LS
FS 4100 PA	PA 11	Polyamide - 11	
Ultrasint X043	PA 6	Polyamide - 6	
Ultrasint X028			
FS 1092A TPU	TPU	Thermoplastic Polyurethane	
FS 1088A TPU			



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Porthcurno, Cornish Nylon	PA 6	Polyamide - 6	FFF



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Nylon 12	Nylon 12 (PA 12)	Polyamide-12	LS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
SinterWorx C6	Carbon Filled Nylon 12	Polyamide-12	SLS
SinterWorx G4	Graphite Filled Nylon 12		



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
ABS - White	Acrylonitrile butadiene styrene (ABS)	Polyamide - 11 Acrylonitrile Butadiene Styrene	FFF
ABS - Flesh			



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
HP 3D High Reusability PA 12	Polyamide 12 (PA12)	Polyamide- 12	MJF
HP 3D High Reusability PA 12 Glass Beads	Polyamide 12 / 40% Glass Beads		
HP 3D High Reusability CB PA12	Full color PA12		
HP 3D High Reusability PA 11	Polyamide 11 (PA 11)	Polyamide - 11	



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POSTPRO3D PROVEN MATERIALS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
iglide® I150-PF	Food grade, solid polymer-lubricated polyblend	Polyblend	FFF

**LUVOCOM® 3F**

Additive manufacturing solutions

MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Luvosint X92A-1	TPU	Thermoplastic Polyurethane	LS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Onyx	Chopped carbon fiber/Nylon	Polyamide	LS
Nylon	Nylon material		



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
TPU 70A	TPU with 70 shore A	Thermoplastic Polyurethane	LS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Strong (ABS 100%)	Stabalized ABS Blend	Acrylonitrile Butadiene Styrene	FFF



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Nylon 12	Nylon 12 (PA 12)	Polyamide-12	FDM
Nylon 12 CF	Carbon fiber/PA 12		
Nylon 6	PA 6	Polyamide - 6	
ABS-ESD 7	Electrostatic dissipative ABS	Acrylonitrile Butadiene Styrene	
ABS M30 White	Acrylonitrile butadiene styrene (ABS)	Acrylonitrile Butadiene Styrene	
ABS M30 Grey			
ABS M30 Blue			
ABS M30 Black			
ASA	Acrylonitrile styrene acrylate (ASA)	Acrylonitrile styrene acrylate	
PLA	Polylactic Acid (PLA)	Polylactic Acid	
PC	Polycarbonate (PC)	Polycarbonate	
PC-ABS	Polycarbonate (PC)- Acrylonitrile butadiene styrene (ABS)	Polycarbonate- Acrylonitrile butadiene styrene	
PC ISO	Biocompatible Polycarbonate (PC)	Poylcarbonate	



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
PLA - M0751 Black 750	Polylactic acid (PLA)	Polylactic Acid	FFF
PLA - M0751 Red 750			
PLA - M0751 PearlWhite 750			
ABS M2560 Black 750	Acrylonitrile butadiene styrene (ABS)	Acrylonitrile Butadiene Styrene	
ABS M2560 Blue 750			
ABS M2560 Grey 750			
ABS M2560 Green 750			



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Copper Filamet	88% Copper/ PLA	Copper- Polylactic acid	FFF
Bronze Filamet	87% Bronze/ PLA	Bronze- Polylactic acid	
Stainless Steel 316L Filamet	81% SS 316/ PLA	Stainless Steel- Polylactic acid	
Tungsten Filamet	96.5% Tungsten/ PLA	Tungsten- Polylactic acid	



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
PMMA	Polymethyl methacrylate (PMMA)	Polymethyl methacrylate	LS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
Windform P1	P-Line high speed production grade for HSS	Polyamide class	HSS



MARKET NAME	MATERIAL COMPOSITION & DETAILS	MATERIAL CLASS	AM TECHNOLOGY
XYZ Carbon Fiber	15% Carbon Fiber/ PLA	Carbon Fiber- Polylactic acid	FFF
XYZ PLA	Black PLA	Polylactic acid	
XYZ PLA	Gold PLA	Polylactic acid	



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REVISED 05/2020. CONTENT IS SUBJECT TO CHANGE AT ANY TIME.

LEARN MORE ABOUT OUR POST PROCESSING SYSTEMS, SCHEDULE A DEMO, AND GET DETAILS ABOUT AVAILABILITY NEAR YOU. TELL US MORE ABOUT YOUR APPLICATION, AND WE'LL CONNECT YOU WITH ONE OF OUR INDUSTRY-LEADING SALES PARTNERS TO ANSWER YOUR QUESTIONS.

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