Polymer Category	Manufacturer	Product Name and Description	Decomposition Temp, °C	Issues of Concern	Recommended Best Practices	Reviewed On	Reviewed By	Accepted For Storage	Accepted By	Accepted for Use	Accepted By	SDS on file	Updated SDS Filed?	Usable on	Updated as of:
PLA	AMZ3D	AMZ 3D PLA	230	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	3/19/2017	M Bischel	3/19/2017	M Bischel	3/19/2017	M Bischel	yes	No	Minis, Prusas and Tazs	11/1/2021 (Sam Bischel
PLA	FKUR	ColorFabb/BioFlex V PLA	240	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	2/26/2017	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	MakerBot	PLA	250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	2/26/2017	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	E-Sun	PLA or Inland PLA	250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	2/26/2017	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	HatchBox	PLA	260	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	2/26/2017	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	MatteForge Pro Filament	MatteForge Advance Matte PLA	>250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	4/20/2018	M Bischel	4/20/2018	M Bischel	4/20/2018	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	MatterHackers	MatterHackers PLA	250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	3/19/2017	M Bischel	3/19/2017	M Bischel	3/19/2017	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	MatterHackers	MatterHackers Pro PLA	250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	3/19/2017	M Bischel	3/19/2017	M Bischel	3/19/2017	M Bischel	yes	No	Tazs	
PLA	PolyMaker	PolyPkus PLA	230	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	5/13/2017	M Bischel	5/13/2017	M Bischel	5/13/2017	M Bischel	yes	No	Tazs	
PLA	NatureWorks	Prusa/NatureWorks 4043D	230	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	2/26/2017	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	AIO Robotics	PLA	250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	9/24/2017	M Bischel	9/24/2017	M Bischel	9/24/2017	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	Polyalchemy	PLA	230	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	1/9/2018	M Bischel	1/9/2018	M Bischel	1/9/2018	M Bischel	yes	No	Minis, Prusas and Tazs	
PLA	Extrudr	BioFusion	230	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	1/11/2020	M Bischel	1/11/2020	S Bischel	1/11/2020	M Bischel	yes	No	Minis, Prusas and Tazs	
Specialty PLA	ProtoPlant	PLA with Stainless Steel	250	may produce corrosive fumes during composition; flammable dust; local exhaust preferred	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	10/6/2018	S Bischel	yes	No	Taz with Purple Tool Head	
Specialty PLA	ProtoPlant	PLA with Carbon Fiber	250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	10/6/2018	S Bischel	yes	No	Taz with Purple Tool Head	
Specialty PLA	ProtoPlant	Conductive PLA	250	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	10/6/2018	S Bischel	yes	No	Taz with Purple Tool Head	
Specialty PLA	FKUR	PLA with Wood fiber	230	may produce corrosive fumes during composition; flammable dust - likely to be worse than the others	wear safety glasses; **Do not exceed 220C**	2/26/2017	M Bischel	2/26/2017	M Bischel	10/6/2018	S Bischel	yes	No	Taz with Purple Tool Head	
Specialty PLA	Polymaker	PolyWood	230	may produce corrosive fumes during composition; flammable dust - likely to be worse than the others	wear safety glasses; **Do not exceed 220C**	5/13/2017	M Bischel	5/13/2017	M Bischel	10/6/2018	S Bischel	yes	No	Taz with Purple Tool Head	
Specialty PLA	PolyMaker	PolyMax PLA	230	may produce corrosive fumes during composition; flammable dust	wear safety glasses; **Do not exceed 220C**	5/13/2017	M Bischel	5/13/2017	M Bischel			yes	No	Tazs	
Polycarbonate	Polymaker	Polymaker PC-Max	380 C	local exhaust needed	wear safety glasses; do not exceed xxx	5/13/2017	M Bischel	5/13/2017	M Bischel			yes	No	Tazs	
Polycarbonate	Polymaker	Polymaker PC-Plus	380 C	local exhaust needed; can generate trace amounts of hydrogen cyanide when burned	wear safety glasses; do not exceed xxx	5/13/2017	M Bischel	5/13/2017	M Bischel			yes	No	Tazs	

Polyethylene co-polymer	Taulman/DuPont	T-Lyne Polyethylene co-polymer		325	Avoid static electricity discharge; use well ventilated spaces; can decompose into acrolein and acetylaldehyde (both are toxic and noxious fumes); local exhaust needed	wear safety glasses; do not exceed xxx	3/19/2017 M Bischel	3/19/2017 M Bischel		yes	No	Tazs
PETG	Eastman Chemical	ColorFabb XT	unknown; likely 270		flammable dust; 10 air changes per hour needed	wear safety glasses; do not exceed xxx	2/26/2017 M Bischel	2/26/2017 M Bischel		yes	No	Tazs
PETG w/Carbon Fiber	Eastman Chemical	ColorFabb XT CF20		270	flammable dust; printer must have its own exhaust system; requires a special nozzle	wear safety glasses; do not exceed xxx	4/14/2017 M Bischel	4/14/2017 M Bischel	10/6/2018	yes	No	Taz with Purple Tool Head
Polyvinyl butyral	Polymaker	PolySmooth	unknown		flammable dust; dust may be an irritant	wear safety glasses; do not exceed xxx	5/13/2017 M Bischel	5/13/2017 M Bischel		yes	No	Tazs
Polyurethane	NinjaTek	Cheetah		230	isocyanates and hydrogen cyanide can be released during decomposition; local exhaust preferred	wear safety glasses; **Do not exceed 220C**; do not run in laser cutter	2/26/2017 M Bischel	2/26/2017 M Bischel	10/6/2018 S Bischel	yes	No	Taz with Flexystruder
Polyurethane	NinjaTek	Ninja Flex		230	isocyanates and hydrogen cyanide can be released during decomposition; local exhaust preferred	wear safety glasses; **Do not exceed 220C**; do not run in laser cutter	2/26/2017 M Bischel	2/26/2017 M Bischel	10/6/2018 S Bischel	yes	No	Taz with Flexystruder
Polyurethane	NinjaTek	Ninja Semi Flex		230	isocyanates and hydrogen cyanide can be released during decomposition; local exhaust preferred	wear safety glasses; **Do not exceed 220C**; do not run in laser cutter	2/26/2017 M Bischel	2/26/2017 M Bischel	10/6/2018 S Bischel	yes	No	Taz with Flexystruder
Polyurethane	Polymaker	PolyFlex		230	isocyanates and hydrogen cyanide can be released during decomposition; local exhaust preferred	wear safety glasses; **Do not exceed 220C**; do not run in laser cutter	5/13/2017 M Bischel	5/13/2017 M Bischel		yes	No	Taz with Flexystruder
Nylon 6	NinjaTek	Nylon 645		290	ammonia, hydrogen cyanide released during decomposition; local exhaust needed	wear safety glasses; do not exceed xxxx C; do not run in laser cutter	2/26/2017 M Bischel	2/26/2017 M Bischel		yes	No	Tazs
Nylon 6/69 colpolymer	NinjaTek	Alloy 910		290	ammonia, hydrogen cyanide released during decomposition; local exhaust needed	wear safety glasses; do not exceed xxxx C; do not run in laser cutter	2/26/2017 M Bischel	2/26/2017 M Bischel		yes	No	Tazs
Nylon 6,6	Taulman	Taulman 3D Nylon		290	ammonia, hydrogen cyanide released during decomposition; local exhaust needed	wear safety glasses; do not exceed xxxx C; do not run in laser cutter	3/19/2017 M Bischel	3/19/2017 M Bischel		yes	No	Tazs
ABS	NinjaTek	ABS		300	hydrogen cyanide released during decomposition; local exhause needed	wear safety glasses; do not exceed xxxx C; do not run in laser cutter	2/26/2017 M Bischel	2/26/2017 M Bischel		yes	No	Tazs
ABS	MakerGeek	MakerGeek ABS		260	hydrogen cyanide released during decomposition; local exhause needed	wear safety glasses; **Do not exceed 230C**; do not run in laser cutter	2/26/2017 M Bischel	2/26/2017 M Bischel		yes	No	Tazs