Notes: T 1 N 1 N 2 P N 3 T 4 P N 5 P 6 A P N V N 7 S 8 S	pecification echnical lanufacture Part ID S Code hermal rinting Temperature lelting Temperature g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	1.75mm/2.85mr 1 lb 490/180 0.0074 None
T 2 P N N N N N N N N N N N N N N N N N N	hermal rinting Temperature lelting Temperature g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) leight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	3916.9 245C 218C 48C 335C No 30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
T 2 P N N N N N N N N N N N N N N N N N N	hermal rinting Temperature lelting Temperature g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) leight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	3916.9 245C 218C 48C 335C No 30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
T 2 P N N S P P N N V N N S S S S S S S S O N T U N N C C C C C C C C C C C C C C C C C	hermal rinting Temperature lelting Temperature g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	245C 218C 48C 335C No 30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
2 P N 3 T 4 P N 5 P 6 A P N V N N 7 S 8 S	rinting Temperature lelting Temperature g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	218C 48C 335C No 30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
2 P N 3 T 4 P N 5 P 6 A P N V N N 7 S 8 S	rinting Temperature lelting Temperature g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	218C 48C 335C No 30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
M N N N N N N N N N N N N N N N N N N N	lelting Temperature g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	218C 48C 335C No 30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
3 T 4 P N 5 P 6 A P N V N 7 S 8 S	g Glass transition yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	48C 335C No 30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
4 P N N 5 P 6 A P N N N N N N N N N N N N N N N N N N	yrolysis - Thermal degradation on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue	335C No 30-65C 30 - 100C 1.75mm/2.85mm 1 lb 490/180 0.0074
5 P 6 A P N V N N S S S S S S O N T U N N C C C C C C C C C C C C C C C C C	on-Destructive Evaluation rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	No 30-65C 30 - 100C 1.75mm/2.85mm 1 lb 490/180 0.0074
5 P 6 A P N V N 7 S 8 S	rint-Bed Temp mbient Temp (Enclosure) hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	30-65C 30 - 100C 1.75mm/2.85mr 1 lb 490/180 0.0074
6 A P N N 7 S 8 S 9 M T U N	hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	30 - 100C 1.75mm/2.85mm 1 lb 490/180 0.0074
P N V N N S S S S S S S N N T U N N N N N N N N N N N N N N N N	hysical ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	1.75mm/2.85mr 1 lb 490/180 0.0074
9 M T U	ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	1 lb 490/180 0.0074
9 M T U	ominal Diameter (3mm Maximum Dia) /eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	1 lb 490/180 0.0074
9 M T U	/eight /spool ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	1 lb 490/180 0.0074
9 N T U	ominal Length/spool (In Feet) hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	490/180 0.0074
7 S 8 S 9 M T U N	hrinkage - in/in olvent/Glue lechanical ensile Stress "PSI" when 3D Printed	0.0074
8 S 9 M T U M	lechanical ensile Stress "PSI" when 3D Printed	
9 M T	lechanical ensile Stress "PSI" when 3D Printed	
T U M	ensile Stress "PSI" when 3D Printed	
N O		
N O		4,575
0	Itimate Elongation when 3D Printed	86.20%
0	lodulus "PSI" when 3D Printed	22,190
	ptical	
10	pacity	91%
$\overline{}$	eflectivity	N/A
10 C		Natural
Α	pprovals	
F	DA - Direct Food Contact	None
F	DA Direct Drink Contact	None
U	L Flammability	
U	L 94 HB	Yes
U	L 94 V2 at 3.2 mm thickness	Yes
F	eatures:	
S	urface texture	Excellent
11 L	iving Hinge	Very good
U	se of Taps for threads	Excellent
С	NC finish tooling	Any
12 C	NC Coolant	Forced Air Only
U	se in 3D Forging	Excellent
	rinted Prosthesis	Excellent
	obotic Assemblies	Excellent
_	ewelry Printing	N/A
	umes	None
	enticulated overlays.	N/A
	ye type	Acid Based
	ye Uptake (Saturation)	Excellent
	1 - Chamber I comment	21100110111

NOTE: Both Nylon and t-glase will NOT seize in your hotend even if left in place with heater "ON" for 72hr's. Both will oxidize and extrude soot upon reactivation.

150mm of purge is all that is required to begin printing anew.

Notes:

- 1. Manufacturer ID is self assigned and used for Production and shipping references
- 2. Based on an average of reported values. Nominally 5C lower with SeeMECNC and E3D HE's due to their structures
- 3. Note on t-glase...If the platform cools faster than the part, then a glass platform may suffer cracks. Tg on Nylon can be missleading due to nylon's structure
- 4. Pyrolysis is basically "Boiling"....Check your thermistor!
- 5. Print Bed temperature for nylons is a function of reducing the "shock" from layer to layer. Shock is defined as the time between layers such that the temp diff is at it's greatest.
- 6. Small parts in t-glase need a fan on the part being printed due to it's Tg
- 7. Moisture plays a strong part in shrinkage. Less moisture = less shrinkage.
- 8. To adhere nylon to nylon, use a soldering iron.
- 9. Testing performed by St Louis Testing Laboratories

Unit = 5500R Instron with Bluehill Software....

ASTM D412-0a E2

5 pc's printed at rated temperature

Bars are .1314" thk

1 perimeter

All surfaces (no fill, just surfaces)

- 45 degree surfaces
- 10. As natural is not a specific color, we are working on a Pantone equivalent.
- 11. Living hinge is using the material flexible properties as a hinge assuming 2000 90 degree transitions.
- 12. As nylon will take on water, only air cooling should be used.