

	www.taulman3d.com	
	Specification	BluPrint
<i>Notes:</i>	Technical	
1	Manufacture Part ID	tn1/tn3
	HS Code	3916.9
	Thermal	
2	Printing Temperature	265C-275C
	Melting Temperature	255C
3	Tg Glass transition	100C
4	Pyrolysis - Thermal degradation	
	Non-Destructive Evaluation	Yes
5	Print-Bed Temp	90C
6	Ambient Temp (Enclosure)	None
	Physical	
	Nominal Diameter (3mm Maximum Dia)	1.75mm/2.85mm
	Weight /spool	1 lb
	Nominal Length/spool (In Feet)	512/190
7	Shrinkage - in/in	0.0021
8	Solvent/Glue	Tetrahydrofuran
9	Mechanical	
	Tensile Stress "PSI" when 3D Printed	6,600
	Ultimate Elongation when 3D Printed	18.00%
	Modulus "PSI" when 3D Printed	53,000
	Optical	
	Opacity	90%
	Reflectivity	1%
10	Color	Natural
	Approvals	
	FDA - Direct Food Contact	Yes
	FDA Direct Drink Contact	Yes
	UL Flammability	
	UL 94 HB	None
	UL 94 V2 at 1.5 mm thickness	Yes
	Features:	
	Surface texture	N/A
11	Living Hinge	N/A
	Use of Taps for threads	None
	CNC finish tooling	None
12	CNC Coolant	None
	Use in 3D Forging	None
	Printed Prosthesis	Excellent
	Robotic Assemblies	Excellent
	Jewelry Printing	Very good
	Fumes	None
	Lenticulated overlays.	N/A
	Dye type	N/A
	Dye Uptake (Saturation)	N/A
	Specifications are subject to change.	