

TITLE: 3D Printed Luggage Tag

AUTHOR: 2.kfisher@gmail.com

DESCRIPTION: Create custom luggage tags from family, friends, and colleagues on a 3D printer. Makes for a very thoughtful and personal gift. Name and phone number 3D extrude from base with easy loop to connect to luggage handle. Flexible TPU (Thermoplastic Polyurethane) filament makes travel more convenient as it bends as needed. With MatterControl software, just change the name, phone number reslice and print.

COSTS: Each tag is about \$0.30 (not including 3D printer costs)

Completed Picture:





BUILDING STEPS:

1. Open MatterControl software and Luggage tag template file
2. Change "Text" to Name and Phone number
3. Slice
4. Print / Export Gcode
5. Copy file to 3D printer
6. Print Luggage Tag
7. Attached Luggage Name Tag Loop Strap

MATERIAL NEEDED:

Material (1 Luggage Tag)	Quantity	Unit Price	Total Price
3D Printer	1	-	-
Flexible TPU filament (3D Flexible Blue TPU Filament 1.75 mm 2.2 LBS / 1KG Hardness 95A). 1KG spool is about 390m and each luggage tag needs about 2.3m.	2.3m / 390m	\$26.00	~\$0.15
6 Inch Premium Clear Plastic Travel Luggage Name Tag Loop Straps/ Loops for Luggage Bag ID Tag,50Pcs	1/50	\$8.50	\$0.17
Total			\$.32

TOOLS NEEDED:

1. 3D Printer
2. MatterControl software

NOTES:

1. I use Ender 3 3D printer with OctoPrint on my Raspberry Pi, so uploading and printing is easy.
2. Base Size: 100mm x 25mm x 2mm
3. Text Size: 24pt [Nunito Bold], 5mm height [Fit to Bounds 85mm x 12mm x 5mm]
4. Hole in Base for loop strap: 5mm x 10mm