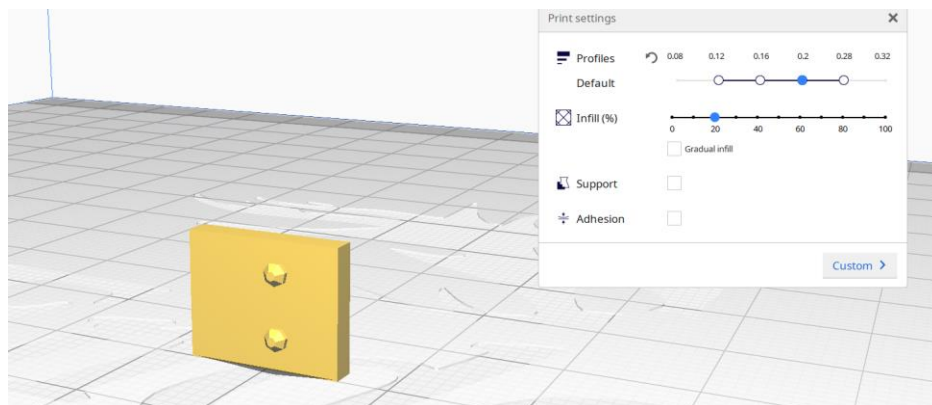# DIY Braille Labels
3D PRINTING GUIDE

3D Printing Summary

There are some best practices of 3D printing Braille. The optimal print settings can be found below but best practices to note are listed here:

- Print braille vertically (see photos below)
- Do not resize Braille or scale the 3D model. This will render the braille unreadable
- Limit the amount of Braille labels printed at once to eliminate stringing between labels

3D Printing Settings:

	Infill (%)	Material	Support(Y/N)	Layer Height/ Nozzle Diameter(mm)	Notes (orientation, special settings, etc)
Recommended Print settings	20	Tested with PLA	N	0.2/0.4	- Print in vertical orientation as seen here below

Post-Processing

- If you notice any blobs on the side of the Braille tiles try using a blade to clean up the prints. Braille is hyper-specific so any bumps or abnormalities on the print that could affect readability should be removed.
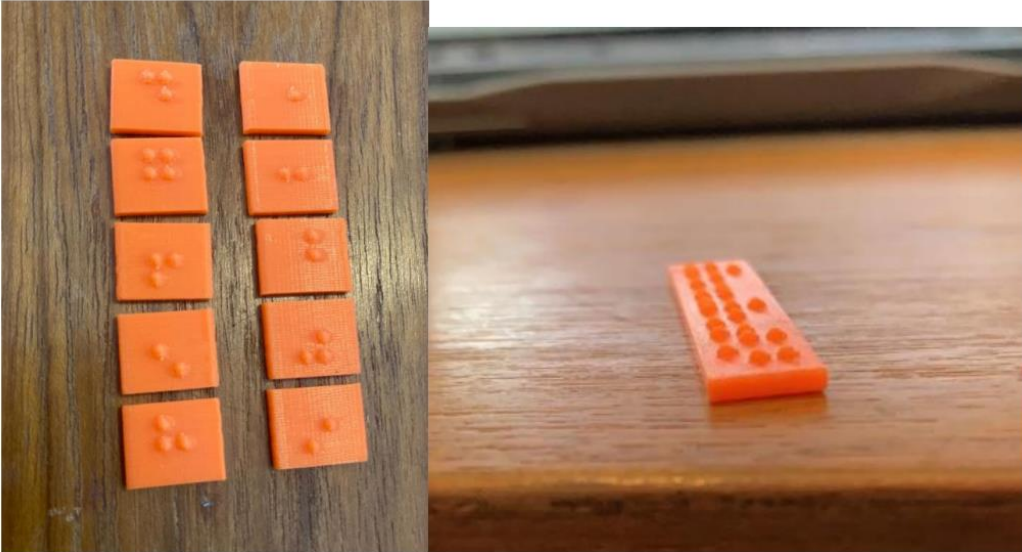
Customization Options

- The Braille labels should not be resized
- Color of Braille may matter to the individual if they are only partly visually impaired. Check with user
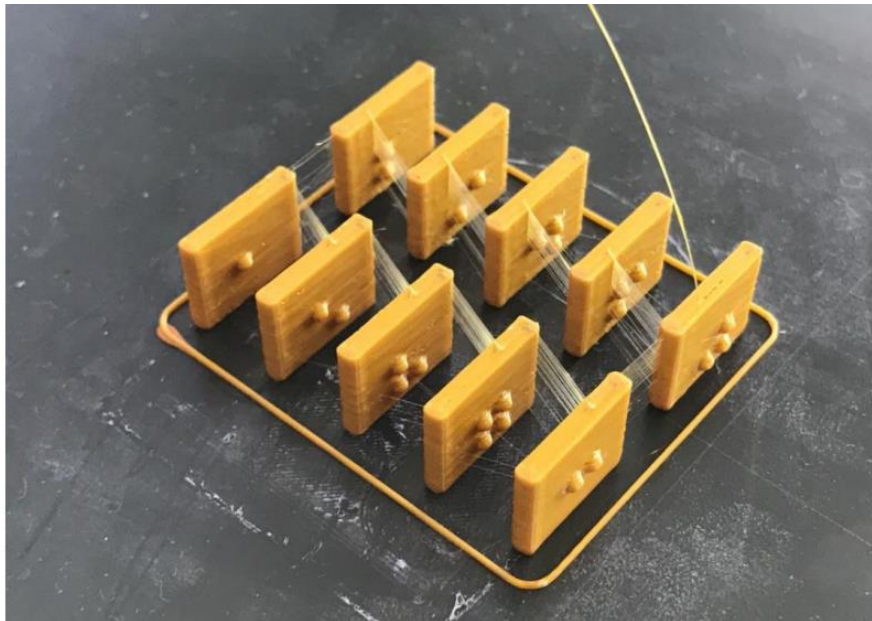
DIY Braille Labels
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Examples of Quality Prints:

- Below are some photos of acceptable prints and one example of what issues can occur if you print all together

Example of good quality Braille Labels:

Example of Stringing When Printed in Groups Rather Than 1 by One:

This can occur when printed in batches. May not occur on all printers and can be a relatively simple clean up. But to avoid this please print one Braille tile at a time