

# Forward AM Material Profiles for Bambu Lab 3D Printers

## A How-To Guide for Printing Profile Installations

BAFS Forward AM provides print profiles for following Bambu Lab 3D printers X1 Series, P1S, and P1P. Please be aware that not all Ultrafuse® materials are certified for all Bambu Lab 3D printers due to hardware limitations of the machines (especially a closed chamber for warp sensitive Ultrafuse® materials).

### Open the profile

1. Download the Ultrafuse® material profile of your choice (see below)
2. Unzip the file, the file contains the following items:
  - A Material profile: Ultrafuse XXX.json
  - Two settings profiles (fiber reinforced materials will have only 0.6mm nozzle profiles):
    - BASF 0.20mm Standard Quality - 0.4 nozzle.json
    - BASF 0.30mm Standard Quality - 0.6 nozzle.json
3. Make sure Bambu Studio is installed on your PC, and the printer you want to use is set-up in the slicer
4. Open Bambu Studio

### Import material and Settings profiles

1. In Bambu Studio select File>import>import configs...
2. Select from the downloaded folder the material config file ' Ultrafuse XXX.json' and both process config files ' BASF 0.20mm Standard Quality - 0.4 nozzle.json and BASF 0.30mm Standard Quality - 0.6 nozzle.json'
3. A confirmation should pop-up that the configs have been added
4. The material can now be selected form the 'filament' dropdown menu
5. A provided settings profile can be selected from the 'process' dropdown menu

### Remark

We provide usual material settings for a 0.4mm nozzle diameter with a layer height of 0.20mm and a 0.6mm nozzle diameter with a layer height of 0.30mm. You will find in Bambu Studio several other print settings options, created by Babu Lab for Bambu Lab materials. Several of these print settings might also work for Ultrafuse® filaments but are not validated by BASF Forward AM.

All Bambu Lab qualified Ultrafuse® filaments (700gr, 750gr, and 1kg spools) are compatible with the Bambu Lab AMS, including TPU 64D, only exceptions are Ultrafuse® TPU 85A and TPU 95A.

### Ultrafuse® Profiles (Click to download the .zip file)

- |                             |                             |                             |                           |
|-----------------------------|-----------------------------|-----------------------------|---------------------------|
| • <a href="#">ABS</a>       | • <a href="#">PC GF30</a>   | • <a href="#">PLA PRO1</a>  | • <a href="#">ABS F+</a>  |
| • <a href="#">ASA</a>       | • <a href="#">PC/ABS FR</a> | • <a href="#">PLA Tough</a> | • <a href="#">PP</a>      |
| • <a href="#">PA</a>        | • <a href="#">PET CF15</a>  | • <a href="#">PP GF30</a>   | • <a href="#">TPU 85A</a> |
| • <a href="#">PA6GF30</a>   | • <a href="#">PET</a>       | • <a href="#">rPET</a>      | • <a href="#">TPU 95A</a> |
| • <a href="#">PAHT CF15</a> | • <a href="#">PLA</a>       | • <a href="#">TPU 64D</a>   |                           |

[Check out our Profile Compatibility Table HERE](#)