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Printability Tips

for Your 3D Model

1

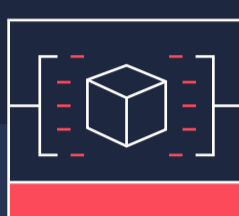


Choose Straightforward Software

No matter what type of 3D modeling software you use, it's key to follow specific guidelines.

Set Your Model Up for Success

Use the modeling process to perfect your design *before* analysis.



2

3



Configure the Basic Layout for Adhesion and Support

Design a 3D model that will stick to the print bed easily, creating a flat surface to build each layer on.

4

Design a Model to Support Its Own Weight

Refer to bounding box information.



5



Choose High Quality Materials and Technology

Whether you're designing fine jewelry or a more flexible material, research materials to match your model with the project requirements.

6

Pay Attention to **All** Guidelines



7

Design for Suitable Wall and Wire Thickness

A model must have walls and wires that can survive 3D printing, post-processing, packing and delivery.

8

Create a Compatible File

- File types: DAE, OBJ, STL, X3D, X3DB, X3DV, WRL, 3MF, STP, STEP
- Full-color printing: OBJ, MTL, DAE, WRL, X3D, X3DB, X3DV
- Maximum file size for all types: 64 MB and/or 1 million Polygons



9

Prototype. Test. Iterate.

Rapid prototyping results in high-performing products that enhance the consumer experience.



10

Prepare for Cost, Printability Analysis, and Customized Feedback

Once a 3D model is ready, the customer uploads their design and receives an instant quote.

