

Design Guide for Ceramic 3D Printing

Posted by Marco CM - 2013/04/08 15:12

Fire Glazed Ceramics is one of the most popular 3d print materials available on Kraftwurx.com. In order to ensure you experience the most from ceramic 3d printing we have set up a series of guidelines to follow when designing your 3d models. Kraftwurx staff members examine each model before production to further check the model will produce a quality ceramic part. We will notify you if any issues are discovered with your order that may result in a less than quality part. Please see the following guidelines to designing for Ceramic 3d printing.

3D Printed Fire Glazed Ceramic Design Guidelines:

Bounding Box Sum (length + width + height)

Minimum: 12 cm (120 mm)

Maximum: 40 cm (400 mm)

Bounding Box Dimensions

Minimum: n/a object must meet B.B. Sum rule and Density rule

Maximum: 320 mm x 240 mm x 180 mm

Object Density(how much of the bounding box is filled by the object)

Minimum: 5%

Maximum: 100%

Wall Thickness (structural)

Minimum: 3 mm

Maximum: 15 mm

12 cm ≤ Bounding Box Sum ≤ 20 cm: 3 mm

20 cm 30 cm

Holes

Hollow models require a 1 cm (10 mm) depowdering hole.

Decorative feature holes must be greater than 3 mm.

Detail

Embossed (raised): 2 mm in width and height, minimum

Engraved (inset): 3 mm in width and depth, minimum

Embossed text: 36 point or greater; 2 mm height, minimum

Engraved text: 60 point or greater; 3 mm depth, minimum

If you have questions regarding 3d printed ceramics ,message Marco@Kraftwurx.com.

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