



beamlers
Additive manufacturing

Design Guidelines

Printing with Silicone GP Shore A 20 - A 60

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To be able to provide you with a quote to print models with Silicone GP Shore A20 through A60, the models need to meet some minimum requirements. Please review this document before uploading a model on the Beamlar platform and/or sending a quote request.

The following is provided for general information only. It does not constitute a legally binding agreement and does not describe the quality of the ordered product.

Model

- Bounding box: up to 200 cm³
- Minimum Wall Thickness: 1 mm
- Spacings or holes : at least 1 mm
- Tolerances: DIN ISO 2768-1 v
- Edge Radius: at least 2 mm

Materials

- Hardness Shore: A 20, A 30, A 40, A 60
- Available Colours: translucent, skin, gentian blue and graphite-black, pure white, flame red and silver grey. Some colors such as luminous yellow or grass green may need a minimum order size. For colors outside this range on request.

Quality of the Product

- Parts during the additive manufacturing process are build layer by layer. Thus results a layered structure typical for this kind of process.
- Complex structures, inner cavities, lattices etc. are filled up with support material. The same applies to overhangs and bridges. After finishing the print job the support material is removed. Therefore an outlet needs to be designed in order to wash the support material out.

General

- Orientation on the build platform is decided by print-location in order to achieve an optimal printing quality.
- If you wish to print more than one part of a design, we recommend to get them printed in one print job to ensure the best part-to-part consistency.