iglide® – 3D printing

Information sheet

igus®

1 Required data: 3D model in STEP format and quantity
- .STP and .STEP file formats are suitable
- In the 3D model, the average tolerance should match the model;
  e.g. with a dimension of "16mm" and a tolerance of "-0.3mm", the 3D model should correspond to 15.85mm

2 Maximum size

Print bed space SLS 220x170x300mm	Print bed space FDM 330x240x300mm	Print bed space FDM 160x140x150mm	Cylindrical print bed space Ø 150mm, 150mm high	Print bed space DLP 82x46x76mm
iglide® i3	iglide® i150	iglide® i180	iglide® RW370	iglide® i3000
iglide® i6	iglide® i151	iglide® i180-BL	iglide® A350	
iglide® i6-BLUE	iglide® i190	iglide® J260		
iglide® i8-ESD	igumid® P150			
iglide® i10	igumid® P190			

In addition, it is important to check whether the parts can be manufactured in one piece or whether they are assembled from several parts.

3 Minimum wall thickness

SLS 0.7mm	FDM 1mm	DLP 0.2mm
iglide® i3	all iglide® tribofilaments®	all iglide® tribo-resins
iglide® i6		
iglide® i6-BLUE		
iglide® i8-ESD		
iglide® i10		

4 Dimensional stability

FDM from ±0.2mm up to 50mm 50mm+, ±0.4%	SLS from ±0.15mm up to 75mm 75mm+, ±0.2%	SLS from ±0.2mm up to 67mm 67mm+, ±0.3%	DLP from ±0.1mm up to 50mm 50mm+, ±0.2%
all iglide® tribofilaments®	iglide® i3	iglide® i8-ESD	iglide® i3000
	iglide® i6	iglide® i10	
	iglide® i6-BLUE		

Individual dimensions can be manufactured more precisely if necessary.

5 More information
Price: depending on print volume and quantity; from $4.37/piece

Supporting structure: if necessary, this will be created by igus® and included in the price

Offer/enquiry: automatic price determination: **www.igus.com/idd**

Delivery time: from 24 hours; usually 3 business days

Surface: not reworked. In the 3D printing service online tool, however, individual reworking can be requested in the "Reworking" tab. For components that are manufactured using laser sintering, the options "Coloring" and "Smoothing" can also be selected. The best surfaces (without reworking) are achieved with tribo-resin components and DLP.

Print thread: possible from approx. M6/TR8 possible

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