

HDglass™

HDglass™ is an amorphous and high strength modified PETG compounded 3D printer filament range. HD stands for “Heavy Duty”, as HDglass™ has excellent properties when it comes to strength, toughness and temperature resistance for same like materials.

Printing with HDglass™ filament is very easy and comfortable as it has a great thermal stability, and superb first- and interlayer adhesion and does not produce any odors during 3D printing. HDglass™ is a perfectly safe material as it does not contain any hazardous substances, is Bisphenol A free, RoHS certified, REACH compliant, and is even FDA food and drink contact approved.

Because of its unique transparency and glossiness, the HDglass™ compound allows itself to be coloured in the most beautiful transparent and bright opaque colours.

HDglass™ color terminology

HDglass™ filaments are available in a wide variety of transparent, translucent, and opaque colors. The terminology used to indicate the HDglass™ color palette is as follows:

Color terminology	Level of transparency/opaqueness
Clear	Transparent
See Through	Translucent colored
Stained	Slightly translucent colored
Blinded	Opaque

HDglass™ is available in a variety of vivid colours and prints best at a printing temperature range within 195°C and 225°C. Printing with HDglass™ is remarkable easy, as it is a very easy to process material and an excellent first layer adhesion can be obtained by printing at various undergrounds without needing a heated print bed. A good first layer adhesion can be obtained by printing among others on EuroCel Blue Masking Tape, a Formfutura EasyPad™ sheet, Kapton tape, or EuroCel PET Tape without having to use a heated print bed.

Dependent of the size of the printed object, HDglass™ can be printed at a high printing speed. With its below displayed unique set of characteristics HDglass™ - Blinded filament is a true asset to our Formfutura product portfolio.

- Very tough
- High strength
- FDA food and drink contact approved
- Odorless processing/printing
- Recyclable

HDglass™ has an excellent roundness and very tight diameter tolerances, which makes this filament a perfect match with all common desktop 3D printers. Printing with HDglass™ 3D printer filament will go very smoothly with basically all FFF/FDM technology based desktop 3D printers, such as:

- Ultimaker
- RepRap (Mendel, Huxley, Prusa)
- WASP
- Sharebot
- Solidoodle
- MakerBot (Replicator, Replicator 2, Replicator 2X)
- Leapfrog
- UP! Plus, Up! Mini
- AND MANY MORE....!

Recommendations for printing with HDglass™ filament

- It is important that your print bed is levelled properly and adjusted quite tight to the nozzle; This will make sure that you will get a good your first layer to your print surface.
- A good first layer adhesion can be obtained on EuroCel Blue Masking Tape, Kapton Tape, EuroCel PET Tape, Formfutura EasyPad sheets.
- It is important that your print surface is clean.