



The VeroFlex Solution for Eyewear

Application
Note



Overview

The VeroFlex solution brings enhanced product reality to the eyewear industry. The VeroFlex solution offers specially blended materials with a unique combination of stiffness and flexibility. Printed on Stratasys J750 3D printers, VeroFlex materials provide full part realism with a large range of colors and transparencies. These characteristics make VeroFlex ideal for designing and testing of eyewear-frames, enabling flexibility, and significantly shortening the product-development cycle.

Six VeroFlex materials are available:

- VeroFlex Cyan RGD891 (OBJ-03341)
- VeroFlex Magenta RGD892 (OBJ-03342)
- VeroFlex Yellow RGD893 (OBJ-03343)
- VeroFlex White RGD894 (OBJ-03344)
- VeroFlex Black RGD894 (OBJ-03345)
- VeroFlex Clear RGD895 (OBJ-03346)

This Application Note describes recommendations and tips for achieving optimum quality and advanced mechanical properties when printing parts with VeroFlex materials.

- A. Supported Printers and Printing Modes
- B. Preparing for Printing

Recommendations and Tips

A. Supported Printers and Printing Modes

VeroFlex materials can be used on Stratasys J750 printers only.

VeroFlex materials support High Mix and High Quality printing modes. High Speed is not supported.

B. Preparing for Printing

- When printing VeroFlex parts, use SUP705. SUP706 is not supported.
- The color picker in GrabCAD Print is available for use when five VeroFlex base colors are loaded in the material cabinet (VeroFlex Cyan, VeroFlex Black, VeroFlex White, VeroFlex Magenta, and VeroFlex Yellow).
- Combinations of VeroFlex and other Vero materials are not supported. When printing with VeroFlex materials, make sure that you load the material cabinet with VeroFlex materials only.



Figure 1: Frames printed with VeroFlex materials

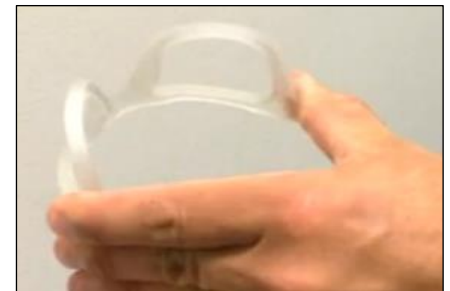


Figure 2: Flexibility of a frame printed with VeroFlex

- Printing Mixed Parts with Tango and Digital ABS materials is supported. Mixed Parts with Vero materials are not supported.
- Digital Material combinations from two or three base VeroFlex materials are available.

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