

# VeroFlex



VeroFlex™ is a PolyJet™ rigid photopolymer material offering a flexibility ideal for rapid prototyping eyewear. Get prototypes with full-part realism in a wide range of colors, textures and materials from opaque to transparent, unique to the Stratasys J735™ and Stratasys J750™ 3D Printers.

VeroFlex accurately simulates the look, feel and function of eyewear, enabling improved performance testing. Eyewear prototypes produced with VeroFlex can better withstand drop tests, lens-mounting and wearability tests.

Shorten product development cycles down to one to two months with a more efficient design workflow. Respond to market trends faster and improve eyewear sales with VeroFlex on your Stratasys J735 or J750 3D Printer.

Mechanical Properties	Test Method	Value
Tensile Strength	D-6338-03	43 – 64 MPa (6,237 – 9,282 psi)
Elongation at Break	D-638-05	8 – 20% (8 – 20%)
Modulus of Elasticity	D-638-04	950 – 1,600 MPa (137,786 – 232,060 psi)
Flexural Strength	D-790-03	48 – 88 MPa (6,962 – 12,763 psi)
Flexural Modulus	D-790-04	1,600 – 2,300 MPa (232,061 – 333,587 psi)

Other	Test Method	Value
Shore Hardness	D-2240	75 – 85 Scale D
HDT, @ 0.45 MPa	D-648-06	42 – 50 °C (108 – 122 °F)
Izod Notched Impact	D-256-06	20 – 30 J/m (0.375 – 0.562 lb/in)

System Availability	Software	Support Structure	Layer Thickness Capability	Available Colors
Stratasys J735/J750	GrabCad Print™ 1.8 Advance Material upgrade required	SUP705 (WaterJet removable)	High Quality mode: 14 microns (0.00055 in.) High Mix mode: 27 microns (0.001 in.)	VeroFlex Cyan™ VeroFlex Magenta™ VeroFlex Yellow™ VeroFlex White™ VeroFlex Black™ VeroFlex Clear™

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