

# VeroFlex & VeroFlexVivid

VeroFlex™ and VeroFlexVivid™ are PolyJet™ rigid photopolymer materials 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 and VeroFlexVivid accurately simulate the look, feel and function of eyewear, enabling improved performance testing. Eyewear prototypes produced with these materials 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 and VeroFlexVivid 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%
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)

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

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