VeroFlex

POLYJET MATERIAL FOR EYEWEAR PROTOTYPING

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 J750™.

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 J750.

TO LEARN MORE ABOUT VEROFLEX VISIT STRATASYS.COM

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A GLOBAL LEADER IN APPLIED **ADDITIVE TECHNOLOGY SOLUTIONS**

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At the core: PolyJet Technology

PolyJet technology creates precise prototypes that set the standard for finished-product realism. Their fine resolution makes complex shapes, intricate details and smooth surfaces possible. PolyJet 3D Printing works by jetting layers of liquid photopolymer onto a build tray and instantly curing them with UV light. The fine layers build up to create a precise 3D model or prototype. Models are ready to handle right out of the 3D printer, with no post curing needed.

Keep valuable resources in-house

You'll be amazed when you see how easy it is to produce realistic models in-house. PolyJet 3D Printers offer not only unparalleled speed, they make it easy for you to print with the widest range of material properties.

No special facilities needed

You can install PolyJet 3D Printers just about anywhere. No special venting is required because PolyJet 3D Printers don't produce noxious fumes, chemicals or waste.

Good ideas sell easier

PolyJet 3D Printers improve communication and collaboration because they produce amazingly accurate representations of your ideas that you can share with your team and your clients for a faster, more confident buy-in.

MECHANICAL PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Tensile Strength	D-6338-03	6237 – 9282 psi	43 – 64 MPa
Elongation at Break	D-638-05	8 – 20%	8 – 20%
Modulus of Elasticity	D-638-04	137,786 – 232,060 psi	950 – 1600 MPa
Flexural Strength	D-790-03	6962 – 12,763 psi	48 – 88 MPa
Flexural Modulus	D-790-04	232,061 – 333,587 psi	1600 – 2300 MPa

OTHER	TEST METHOD	IMPERIAL	METRIC
Shore Hardness	D-2240	75-85 Scale D	75-85 Scale D
HDT, @ 0.45 MPa	D-648-06	108 – 122 °F	42 – 50 °C
Izod Notched Impact	D-256-06	0.375 – 0.562 Lb/in	20 – 30 J/m

SYSTEM AVAILABILITY	SOFTWARE	SUPPORT STRUCTURE	LAYER THICKNESS CAPABILITY	AVAILABLE COLORS
Stratasys 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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ISO 9001:2008 Certified

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