



VeroClear

RIGID TRANSPARENT POLYJET MATERIAL

VeroClear™, a transparent PolyJet™ photopolymer, offers strength, stiffness and impact resistance ideal for concept modeling, design verification and functional testing of clear parts. VeroClear simulates PMMA (polymethyl methacrylate), commonly known as acrylic, and enables the visualization of internal components and features ideal for form and fit testing of see-through parts such as eyewear, light covers and medical devices. 3D print transparent parts, or blend with other PolyJet materials for a range of opacities, stunning hues or hardnesses, a versatility ideal for rapid prototyping. To achieve the best clarity, parts should be polished, lacquered or photo bleached.



TO LEARN MORE ABOUT VEROCLEAR, VISIT [STRATASYS.COM](https://www.stratasys.com)



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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.

| | ASTM | METRIC | ENGLISH |
|-----------------------|---------------------|-----------------------------|------------------------|
| Tensile Strength | D-638-03 | 50-65 MPa | 7,250-9,450 psi |
| Elongation at Break | D-638-05 | 10-25% | 10-25% |
| Modulus of Elasticity | D-638-04 | 2,000-3,000 MPa | 290,000-435,000 psi |
| Flexural Strength | D-790-03 | 75-110 MPa | 11,000-16,000 psi |
| Flexural Modulus | D-790-04 | 2,200-3,200 MPa | 320,000-465,000 psi |
| HDT, °C @ 0.45MPa | D-648-06 | 45-50 °C | 113-122 °F |
| HDT, °C @ 1.82MPa | D-648-07 | 45-50 °C | 113-122 °F |
| Izod Notched Impact | D-256-06 | 20-30 J/m | 0.375-0.562 ft-lb/inch |
| Water Absorption | D-570-98 24hr | 1.1-1.5% | 1.1-1.5% |
| Tg | DMA, E ₉ | 52-54 °C | 126-129 °F |
| Shore Hardness (D) | Scale D | 83-86 | 83-86 |
| Rockwell Hardness | Scale M | 73-76 | 73-76 |
| Polymerized Density | ASTM D792 | 1.18-1.19 g/cm ³ | |
| Ash Content | USP281 | 0.02-0.06% | 0.02-0.06% |

| SYSTEM AVAILABILITY | MINIMUM LAYER THICKNESS | SUPPORT STRUCTURE | AVAILABLE COLORS |
|--|-----------------------------|---|------------------|
| Objet30 Pro™ Objet30 Prime™ Objet Eden260VS™ Objet260/500 Connex1™ Objet260/350/500 Connex3™ | 16 microns (0.0006 in.) | SUP705 (WaterJet removable) SUP706 (soluble) | Clear |
| Stratasys J735™/J750™ | 14 microns (0.00055 in.) | | |
| Objet1000 Plus™ | 16 microns (0.0006 in.) | | |