

## POLYJET MATERIAL – VERO (RIGID)

### PolyJet 3D Printing – Additive Manufacturing

**PolyJet Vero Rigid** – Smooth surfaces 3d manufacturing materials in rigid, rubber, opaque, and transparent. This technology can also print materials simultaneously rigid and rubber in the same component for durable prototype models.

<b>Technology:</b>	PolyJet
<b>Material type:</b>	Photopolymer Resins
<b>Elongation at Break % (ASTM D638):</b>	10-25%
<b>Flexural Strength (ASTM D638):</b>	11,000-16,000 psi
<b>Flexural Modulus (ASTM D790):</b>	320,000-465,000 psi
<b>Glass Transition Temperature (DMA):</b>	126-129°F
<b>Heat Deflection (HDT) @ 0.45 MPa (ASTM D648):</b>	113-122°F
<b>Heat Deflection (HDT) @ 1.82 MPa (ASTM D648):</b>	113-122°F
<b>Izod Notched (ASTM D256):</b>	0.375-0.562 ft-lb/in
<b>Available Colors:</b>	Black, Blue, Clear, White
<b>Max part size:</b>	19.3 x 15.4 x 7.9 in.
<b>Features size:</b>	20-85 microns (for features below 50mm, up to 200 microns for full model size).
<b>Min layer thickness:</b>	16 microns (0.0006 in / 0.016 mm).
<b>Tolerance:</b>	± 0.0039-0.0118 in / 0.1-0.3 mm.
<b>Applications:</b>	Form or fit testing, Functional testing, Medical device, Smooth Surface, Industrial, Electronics, Sporting Goods, Applications.



Rapid Prototyping Parts & Low Volume Products

## PLASTIC MATERIAL DATA

Disclaimer: The data above is general information and may vary from machine to machine or supplier to supplier. All tolerance specifications reflect the approximate range of a process's capabilities and should be viewed only as a guide. Actual capabilities are dependent upon manufacturing, equipment, materials, and part requirements.