

PolyJet Materials

Photopolymer Material

We can convert your CAD files into 3D objects, dimensionally accurate very fast, using the 3D printing method. FullCure 720 is ideal for overall general-purpose and enables models to meet a wide range of fit and functional requirements and can be built up to 39.3" x 31.4" x 19.6" (1,000mm x 800mm x 500mm). Accuracy for High Quality is 16-micron (0.0006 inch), High Speed 30-micron (0.001 inch).

Process 3-D printing (acrylic-based)

Product:	Vero Family FullCure 720 - Transparent
Elongation at Break (ASTM D638-05):	20 %
Flexural Strength (ASTM D790-03):	10,991 PSI – (76 MPa)
Flexural Modulus (ASTM D790-04):	249,110 PSI – (1,718 MPa)
Impact Strength (notched Izod) (ASTM D256-06):	0.4 ft lb/in - (24 J/M)
Heat Deflection Temperature (HDT @ 0.45 MPa) (ASTM D790-06):	119°F – (48°C)
(HDT @ 1.82 MPa) (ASTM D790-07):	112°F – (44°C)
Tensile Strength (ASTM D638-03):	8,744 PSI – (60 MPa)
Tg (DMA, E''):	119°F – (48°C)
Water Absorption (ASTM D570-98-24 hr):	1.53 %
Applications:	Architecture, Computers, Consumer Products, Toys, and Telecommunications.

Disclaimer: 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, material, and part requirements.