

FullCure800 Series Photopolymer Materials



- Improved resin properties
- Enhanced visualization of details and edges
- Improved humidity resistance
- Eliminates the need for painting
- Wide range of applications and resin choices
- Better flexural strength
- Faster and easier support removal and cleaning

Part of an expanded line of proprietary photopolymer resins, including FullCure™830 Vero White, FullCure840 Vero Blue and FullCure870 Vero Black are designed for precise jetting in super fine layers by PolyJet™ technology inside the Eden RP systems from Stratasys. Both model and non-toxic, gel-like support materials come in sealed, easy to handle 4.4 lb. (2kg) or 7.9 lb. (3.6kg) cartridges easily replaced through a front-loading door. A semi-automated wizard walks an operator through changing resins. The total time for change over takes minutes, not hours.



Property	Standard Procedure	Value		
		Vero Blue	Vero White	Vero Black
Tensile Strength	D-638	55.1 MPa	49.9 MPa	49.9 MPa
Elongation at break	D-638	15% - 25%	15% - 25%	15% - 25%
Modulus of Elasticity	D-638	2740 MPa	2495 MPa	2495 MPa
Flexural Strength	D790	83.6 MPa	74.6 MPa	74.6 MPa
Flexural Modulus	D790	1983 MPa	2137 MPa	2137 MPa
Izod Notched Impact	D256	42.5 J/m	37.5 J/m	37.5 J/m
Heat Distortion Temperature	D648@ 0.45Mpa (66psi) @ 1.82Mpa (264psi)	120° F (49° C)	120° F (49° C)	120° F (49° C)
		113° F (45° C)	113° F (45° C)	113° F (45° C)
Tg, C	DMA, E"	48.7	58	58
Compression Strength	D695	79.3 MPa	Na	Na
SHORE	Scale D	83.0	83.0	83.0
Rockwell	Scale M	81.0	81.0	81.0

For more information about Stratasys systems and materials, contact your representative or visit www.stratasys.com