

Vero



The Vero™ family includes the rigid collection of materials. These multi-purpose materials are most widely used for visual models, engineering prototypes, product assemblies and RTV molding patterns. Rigid materials are good choices for light functional testing, patterns, prototypes and models.

Available in seven hues including blue, white, black, gray, cyan, magenta and yellow, the Vero family shares similar mechanical, thermal and electrical properties. The opaque medium shades of VeroBlue™ and VeroGray™ provide the best detail visualization, without glare or darkness. The opaque VeroVivid™ family of VeroCyanV™, VeroMagentaV™ and VeroYellowV™ offers more saturated and vibrant color. Vero PureWhite™ is twice as opaque, 20 percent brighter and more UV resistant than VeroWhitePlus™. DraftGrey™ is a low-cost alternative for single material printing with medium opacity and a smooth finish. Also available are transparent VeroClear™ and VeroUltra™Clear, acrylic-simulating materials ideal for clear parts.

Vero PureWhite, VeroBlackPlus, VeroCyan, VeroCyanV, VeroGray, DraftGrey, VeroMagenta, VeroMagentaV, VeroWhitePlus, VeroYellow, VeroYellowV, VeroClear

	ASTM	Value
Tensile Strength	D-638-03	50 – 65 MPa (7,250 – 9,450 psi)
Elongation at Break	D-638-05	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%
Tg	DMA, E»	52 – 54 °C (126 – 129 °F)
Shore Hardness (D)	Scale D	83 – 86 (Scale D)
Rockwell Hardness	Scale D	73 – 76 (Scale M)
Polymerized Density	Scale M	1.17 – 1.18 g/cm ³
Ash Content (VeroGray, VeroWhitePlus)	USP281	0.23 – 0.26%
Ash Content (VeroBlackPlus)	USP281	0.01 – 0.02%

Vero



VeroUltraClear		
	ASTM	Value
Tensile Strength	D-638-03	39 - 43MPa (5,650 – 6,240 psi)
Elongation at Break	D-638-05	20 - 35%
Modulus of Elasticity	D-638-04	1400 - 2100 MPa (203,000 – 304,600 psi)
Flexural Strength	D-790-03	58 - 72MPa (8,400 – 10,400 psi)
Flexural Modulus	D-790-04	1900 - 2300MPa (275,000 – 333,000 psi)
HDT, °C @ 0.45MPa	D-648-06	48 – 52 °C (118 – 126 °F)
HDT, °C @ 1.82MPa	D-648-07	42-44 °C (108-111 °F)
Izod Notched Impact	D-256-06	20 – 30 J/m (0.375 – 0.562 ft-lb/in.)
Water Absorption	D-570-98 24hr	1.2 – 1.4 %
Tg	DMA, E _v	52 – 54 (126 – 129 °F)
Shore Hardness (D)	Scale D	80-85
Polymerized Density	ASTM D792	1.18-1.19

VeroBlue		
	ASTM	Value
Tensile Strength	D-638-03	50 – 60 MPa (7,250 – 8,700 psi)
Elongation at Break	D-638-05	15 – 25%
Modulus of Elasticity	D-638-04	2,000 – 3,000 MPa (290,000 – 435,000 psi)
Flexural Strength	D-790-03	60 – 70 MPa (8,700 – 10,200 psi)
Flexural Modulus	D-790-04	1,900 – 2,500 MPa (265,000 – 365,000 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	1.5 – 2.2%
Tg	DMA, E _v	48 – 50 °C (118 – 122 °F)
Shore Hardness (D)	Scale D	83 – 86 (Scale D)
Rockwell Hardness	Scale D	73 – 76 (Scale M)
Polymerized Density	Scale M	1.18 – 1.19 g/cm ³
Ash Content	USP281	0.21 – 0.22%

Vero



System Availability			
Printer	Min Layer Thickness	Support Structure	Available Colors
Objet30 Pro™	28 microns (0.0011 in.)	SUP705 (WaterJet removable)	VeroBlackPlus™, VeroBlue, VeroGray, VeroWhitePlus
Objet30 Prime™	28 microns (0.0011 in.)	SUP705 (WaterJet removable), SUP706 (soluble)	VeroBlackPlus, VeroBlue, VeroGray, VeroWhitePlus
Eden260VS™	16 microns (0.0006 in.)	SUP705 (WaterJet removable), SUP706 (soluble)	VeroBlackPlus, VeroBlue, VeroGray, VeroWhitePlus
Objet260 Connex1™	16 microns (0.0006 in.)	SUP705 (WaterJet removable), SUP706 (soluble)	VeroBlackPlus, VeroBlue, VeroGray, VeroWhitePlus
Objet260 Connex3™	16 microns (0.0006 in.)	SUP705 (WaterJet removable), SUP706 (soluble)	VeroBlackPlus, VeroBlue, VeroCyan, VeroGray, VeroMagenta™, VeroMagentaV, VeroPureWhite, VeroWhitePlus, VeroYellow™, VeroYellowV
Objet500 Connex1™	16 microns (0.0006 in.)	SUP705 (WaterJet removable), SUP706 (soluble)	VeroBlackPlus, VeroBlue, VeroGray, VeroPureWhite, VeroWhitePlus
Objet350/500 Connex3™	16 microns (0.0006 in.)	SUP705 (WaterJet removable), SUP706 (soluble)	VeroBlackPlus, VeroBlue, VeroCyan, VeroGray, VeroMagenta, VeroMagentaV, VeroPureWhite, VeroWhitePlus, VeroYellow, VeroYellowV
Objet1000 Plus™	16 microns (0.0006 in.)	SUP705 (WaterJet removable)	VeroBlackPlus, VeroBlue, VeroGray, VeroPureWhite, VeroClear
J4100™	27 microns (0.001 in.)	SUP705 (WaterJet removable)	VeroBlackPlus, VeroBlue, VeroGray, VeroPureWhite, VeroClear, VeroUltraClear
Stratasys J735™/J750™	14 microns (0.00055 in.)	SUP705 (WaterJet removable), SUP706 (soluble)	VeroBlackPlus, VeroBlue, VeroCyan, VeroGray, VeroMagenta, VeroPureWhite, VeroYellow, VeroMagentaV, VeroYellowV, VeroCyanV, VeroClear

Vero



System Availability			
Printer	Min Layer Thickness	Support Structure	Available Colors
Stratasys J826™ Prime / J835™ / J850™ Prime	14 microns (0.00055 in.)	SUP705 (WaterJet removable), SUP706B (soluble)	VeroBlackPlus, VeroBlue, VeroCyan, VeroGray, VeroMagenta, VeroPureWhite, VeroYellow, VeroMagentaV, VeroYellowV, VeroCyanV, VeroClear, VeroUltraClear, DraftGrey
Stratasys J850 Pro	14 microns (0.00055 in.)	SUP705 (WaterJet Removable) SUP706B (soluble)	VeroBlackPlus, VeroPureWhite, VeroClear, VeroUltraClear, DraftGrey

For information on the Vero material properties on the J55™, please visit www.stratasys.com/3d-printers/j55.

Creatz3D Pte Ltd

Singapore

180 Paya Lebar Road
#08-07, Yi Guang Factory Building,
Singapore 409032

Phone: +65 6631 8555
Email: info@creatz3d.com
Website: www.creatz3d.com.sg

stratasys.com
ISO 9001:2015 Certified

©2021 Stratasys Ltd. All rights reserved. Stratasys, Stratasys signet, Objet, Objet30, Objet30 Pro, Objet30 Prime, Eden 260VS, Connex, Objet260 Connex1, Objet260 Connex3, Objet350 Connex3, Objet500 Connex1, Objet500 Connex3, Objet1000 Plus, J735, J750, J826, J835, J850, J55, J4100, Vero, VeroVivid, VeroBlue, VeroGray, VeroPureWhite, VeroWhite, VeroClear, VeroBlackPlus, VeroYellow, VeroCyan, VeroMagenta, VeroBlue, VeroCyanV, VeroMagentaV, VeroYellowV and PolyJet are trademarks or registered trademarks of Stratasys Ltd. and/or its subsidiaries or affiliates and may be registered in certain jurisdictions. All other trademarks belong to their respective owners. Product specifications subject to change without notice.

Creatz3D Viet Nam Co Ltd

Ho Chi Minh City

Ground floor, HB Tower, No. 669 Dien Bien Phu Street,
Ward 25, Binh Thanh District,
Ho Chi Minh City, Viet Nam

Phone: +8428 6283 8244
Email: vn.info@creatz3d.com
Website: www.creatz3d.com.vn

Ha Noi City

Ground Floor, No. 27/115 Nui True Street,
Kim Ma Ward, Ba Dinh District,
Ha Noi, Viet Nam

Phone: +8424 6273 0936

