

PolyJet Material/Printer Reference

Rigid Opaque

Material	Objet30 Pro™	Objet30 Prime™	Stratasys J4100™	Stratasys J735™ ² /J750™	Stratasys J750™ Digital Anatomy™	Stratasys J850™ Digital Anatomy™	Stratasys J850™ Pro/Prime/J826™ Prime	Stratasys J55™ Prime	Stratasys J35™ Pro
VeroWhitePlus™ (RGD835)	●	●	○	○	○	○	○	○	○
VeroBlackPlus™ (RGD875)	●	●	●	●	●	●	●	●	○
VeroBlue™ (RGD840)	●	●	●	●	● ³	○	○	○	○
VeroGray™ (RGD850)	●	●	●	●	● ³	○	○	○	○
VeroCyan™ (RGD843)	○	○	○	●	● ³	●	● ⁵	○	○
VeroMagenta™ (RGD851)	○	○	○	●	●	●	● ⁵	○	○
VeroYellow™ (RGD836)	○	○	○	●	●	●	● ⁵	○	○
Vero PureWhite™ (RGD837)	○	○	●	●	●	●	●	●	○
DraftGrey™ (RGD750)	● ⁴	● ⁴	○	○	○	●	●	●	●
VeroUltra™ White (RGD825)	○	○	○	●	● ⁶	● ⁶	●	○	○
VeroUltra Black (RGD865)	○	○	○	●	● ⁶	● ⁶	●	○	○
VeroUltra WhiteS (RGD824)	○	○	○	○	○	○	○	●	●
VeroUltra BlackS (RGD864)	○	○	○	○	○	○	○	●	●

Rigid Transparent

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735 ² /J750	Stratasys J750 Digital Anatomy	Stratasys J850 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
VeroCyanV™ (RGD845)	○	○	● ¹¹	●	●	●	● ⁵	●	○
VeroMagentaV™ (RGD852)	○	○	● ¹¹	●	●	●	● ⁵	●	○
VeroYellowV™ (RGD838)	○	○	● ¹¹	●	●	●	● ⁵	●	○
RGD720™ (General Purpose Transparent)	○	●	○	●	● ³	○	○	○	○
VeroClear™ (RGD810)	●	●	●	●	●	●	●	●	○
VeroUltra Clear (RGD820)	○	○	●	●	● ³	●	●	○	○
VeroUltra ClearS (RGD821)	○	○	○	○	○	○	○	●	●
Vero™ContactClear (CTT610)	○	○	○	○	○	○	●	●	●

¹ Not available in the Americas

² Subject to regional availability

³ VeroUltraClear is available only when operating in J750 (non-DAP) configuration

⁴ Available on select V5 and select V3 systems

⁵ Not available with J850 Pro

⁶ Available only when printing in J750/J850 (non-DAP) configuration.

⁷ Dental and Dental Selection only

⁸ Available only on J735/J750

⁹ Packaging subject to regional availability

¹⁰ Biocompatibility is system dependent, please refer to the Medical & Dental section above

¹¹ Sold as MTO – Make To Order only



PolyJet Material/Printer Reference

Simulated Rubber

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735 ² /J750	Stratasys J750 Digital Anatomy	Stratasys J850 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
TangoGray™ (FLX950)	○	●	○	○	○	○	○	○	○
TangoBlack™ (FLX973)	○	●	○	○	○	○	○	○	○
TangoPlus™ (FLX930)	○	○	○	●	● ³	○	○	○	○
TangoBlackPlus™ (FLX980)	○	○	○	●	● ³	○	○	○	○
Agilus30™ Black (FLX985)	○	○	●	●	● ³	● ³	●	○	○
Agilus30 White (FLX945)	○	○	○	●	● ³	● ³	●	○	○
Agilus30 (Transparent) (FLX935)	○	○	●	●	●	●	●	○	○
Agilus30 Cyan (FLX941)	○	○	○	●	● ⁶	● ⁶	● ⁵	○	○
Agilus30 Magenta (FLX951)	○	○	○	●	● ⁶	● ⁶	● ⁵	○	○
Agilus30 Yellow (FLX931)	○	○	○	●	● ⁶	● ⁶	● ⁵	○	○
Elastico™ Black	○	○	○	○	○	○	○	●	●
Elastico Clear	○	○	○	○	○	○	○	●	●

Simulated Polypropylene

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735 ² /J750	Stratasys J750 Digital Anatomy	Stratasys J850 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
Durus™ (RGD430)	●	●	○	○	○	○	○	○	○
Rigur™ (RGD450)	●	●	○	○	○	○	○	○	○

Simulated Engineering Plastics

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735/J750	Stratasys J750 Digital Anatomy	Stratasys J850 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
ToughONE™ (Single Material)	○	○	○	●	●	●	●	○	○
ToughONE™ Reinforced (with RGD531S)	○	○	○	●	●	●	●	○	○
Digital ABS Plus Ivory (RGD515 Plus & RGD531)	○	○	●	●	● ⁶	○	●	●	●
RGD525™ (High Temperature)	●	●	○	○	○	○	○	○	○

¹ Not available in the Americas

² Subject to regional availability

³ VeroUltraClear is available only when operating in J750 (non-DAP) configuration

⁴ Available on select V5 and select V3 systems

⁵ Not available with J850 Pro

⁶ Available only when printing in J750/J850 (non-DAP) configuration.

⁷ Dental and Dental Selection only

⁸ Available only on J735/J750

⁹ Packaging subject to regional availability

¹⁰ Biocompatibility is system dependent, please refer to the Medical & Dental section above



PolyJet Material/Printer Reference

Medical & Dental

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735/750	Stratasys J750 Digital Anatomy	Stratasys J850 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
VeroDent™ (MED670)	○	○	○	○	○	○	○	○	○
VeroGlaze™ (MED620)	○	● ⁸	○	● ⁶	○	○	○	○	○
Biocompatible Clear (MED610)	○	●	○	●	● ⁶	● ⁶	○	○	○
Digital ABS Plus Biocompatible (MED515+DABS, IV and MED531DABS, IV)	○	○	○	● ⁸	● ⁶	● ⁶	○	○	○
Rigid Ivory Biocompatible (MED615RGD, IV)	○	○	○	● ⁸	● ⁶	● ⁶	○	○	○
TissueMatrix™ (MED310)	○	○	○	○	●	●	○	○	○
GelMatrix™ (FLG110)	○	○	○	○	●	●	○	○	○
BoneMatrix™ (RGD516)	○	○	○	○	●	●	○	○	○
RadioMatrix™ (MED410)	○	○	○	○	●	●	○	○	○

Specialty

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735/J750	Stratasys J750 Digital Anatomy	Stratasys J850 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
VeroFlex™ Cyan (RGD891)	○	○	○	●	●	○	○	○	○
VeroFlex Magenta (RGD892)	○	○	○	●	●	○	○	○	○
VeroFlex Yellow (RGD893)	○	○	○	●	●	○	○	○	○
VeroFlex White (RGD894)	○	○	○	●	●	○	○	○	○
VeroFlex Black (RGD895)	○	○	○	●	●	○	○	○	○
VeroFlex Clear (RGD896)	○	○	○	●	●	○	○	○	○
VeroFlexVivid™ Cyan (RGD898)	○	○	○	●	●	○	○	○	○
VeroFlexVivid Magenta (RGD899)	○	○	○	●	●	○	○	○	○
VeroFlexVivid Yellow (RGD890)	○	○	○	●	●	○	○	○	○

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² Subject to regional availability

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⁴ Available on select V5 and select V3 systems

⁵ Not available with J850 Pro

⁶ Available only when printing in J750/J850 (non-DAP) configuration.

⁷ Dental and Dental Selection only

⁸ Available only on J735/J750

⁹ Packaging subject to regional availability

¹⁰ Biocompatibility is system dependent, please refer to the Medical & Dental section above



PolyJet Material/Printer Reference

Support

Material	Objet30 Pro	Objet30 Prime	Objet Eden260VS	Stratasys J4100	Stratasys J735/J750	Stratasys J750 Digital Anatomy	Stratasys J850 Digital Anatomy	Stratasys J850 Pro/ Prime/ J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
SUP705™ and SUP705B (Water Jet Removal) ¹¹										
Biocompatible ³ with FC630; FC655; MED610; MED620; MED625FLX ³ ; MEDDABS+; MED615RGD	●	●	●	●	●	● ⁶	● ⁶	●	○	○
SUP706B™ (Soluble Support)										
Biocompatible ³ with MED610; MED620; MED625FLX; MEDDABS+; MED615RGD ³	●	●	○	○	●	●	●	●	○	○
SUP707™ (Water Soluble)	○	○	●	○	○	○	○	○	○	○
SUP710™	○	○	○	○	○	○	○	○	●	●
WSS™150	○	○	○	○	○	○	○	○	●	●

Packaging Details

Printer	Type	Amount (kg)	Packing
Eden/Connex	Cartridge	3.6 kg	Pack of 1/Pack of 4 ²
Stratasys J735/J750	Cartridge	3.6 kg	Pack of 1/Pack of 3 ²
Objet30 Pro/Prime	Cartridge	1 kg	Pack of 2
Stratasys J850 Pro/Prime/ J826 Prime	Cartridge	4 kg	Pack of 1
Stratasys J750 Digital Anatomy	Cartridge	3.6 kg Note: TissueMatrix (MED310) has 3.1 kg in a 3.6 kg cartridge	Pack of 1
Stratasys J55 Prime	Cartridge	1.1 kg	Pack of 1
Stratasys J35 Pro	Cartridge	1.1 kg	Pack of 1
Stratasys Objet1000 / J4100	Cartridge	18 kg	Pack of 1

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⁴ Available on select V5 and select V3 systems

⁵ Not available with J850 Pro

⁶ Available only when printing in J750 (non-DAP) configuration.

⁷ Dental and Dental Selection only

⁸ Available only on J735/J750

⁹ Packaging subject to regional availability

¹⁰ Biocompatibility is system dependent, please refer to the Medical & Dental section above

¹¹ Available at EMEA and APJ only

Printer Details				
Printer	Maximum Build Size (XYZ)	System Size and Weight	Layer Thickness	Accuracy
Objet30 Pro, Objet30 Prime	294 x 192 x 148.6 mm (11.57 x 7.55 x 5.85 in.)	826 x 600 x 620 mm (32.5 x 23.6 x 24.4 in.); 106 kg (234 lbs.)	Objet30 Pro: 28 microns (0.0011 in.), 16 microns (0.0006 in.) for VeroClear material Objet30 Prime: 28 microns (0.0011 in.) for Tango™ materials; 16 microns (0.0006 in.) for all other materials	0.1 mm (0.0039 in.)
Stratasys J4100	1000 x 800 x 500 mm (39.4 x 31.5 x 19.7 in.)	1960 x 2868 x 2102 mm (77.5 x 113 x 83 in.); 22000 kg (4850 lbs.)	HS: up to 3 base resins, 27 micron (0.001 in.) resolution SHS: single resin, 55 micron (0.002 in.) resolution	Up to 600 microns for full model size (for rigid materials only, depending on geometry, build parameters.)
Stratasys J700/J735/J750	Stratasys J700: 490 x 390 mm (19.3 x 15.35 in.) Stratasys J735: 350 x 350 x 200 mm (13.7 x 13.7 x 7.6 in.) Stratasys J750: 490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)	1,400 x 1,260 x 1,100 mm (55.1 x 49.6 x 43.3 in.) 430 kg (948 lbs.) <u>Material Cabinet:</u> 670 x 1,170 x 640 mm (26.4 x 46.1 x 25.2 in.); 152 kg (335 lbs.)	Stratasys J700: 55 microns (0.0021 in.) Stratasys J735/J750: Horizontal build layers down to 14 microns (.00055 in.) HS mode (28-30 microns)	Stratasys J735/J750: Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ or ± 0.06% of part length, whichever is greater.
Stratasys J750/850 Digital Anatomy	490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)	J750 Digital Anatomy Printer: 1,400 x 1,260 x 1,100 mm (55.1 x 49.6 x 43.3 in.); 430 kg (948 lbs.) <u>Material Cabinet:</u> 670 x 1,170 x 640 mm (26.4 x 46.1 x 25.2 in.); 152 kg (335 lbs.) J850 Digital Anatomy Printer: 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) <u>Material Cabinet:</u> 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.)	J750 Digital Anatomy: High Quality – up to 6 different materials High Mix – up to 6 different materials J850 Digital Anatomy: High Quality (HQ) – 7 different materials / 14µm layers High Mix (HM) – 7 materials / 27µm High Speed (HS) – 3 materials / 27µm, x2 speed Super High Speed (SHS)- 1 material / 54µm, x4 speed	Vero Materials: Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ or ± 0.06% of part length, whichever is greater Digital Anatomy Materials: Not validated for accuracy, see technical documentation for design guidelines.
Stratasys J850 Pro/Prime/ J826 Prime	J826 Prime: 255 x 252 x 200 mm (10 x 9.9 x 7.9 in.) J850 Pro/Prime: 490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)	J826 Prime: 820 x 1310 x 665 mm (32.28 x 51.57 x 26.18 in.); 234 kg (516 lbs.) <u>Material Cabinet:</u> 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.) J850 Pro/Prime: 1400 x 1260 x 1100 mm (55.1 x 49.6 x 43.4 in.); 430 kg (948 lbs.) <u>Material Cabinet:</u> 1119 x 656 x 637 mm (44 x 25.8 x 25.1 in.); 153 kg (337 lbs.)	HQ: up to 3 base resins, 14 microns HS: up to 6 base resins, 27 microns High Mix: up to 6 base resins, 27 microns SHS?: single resin, 54 microns	J826 Prime: Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ. J850 Pro/Prime: Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ or ± 0.06% of part length, whichever is greater.
Stratasys J55 Prime	Round Print Tray with up to 1,174 cm² (182 in²) Print Height: 190mm* (7.48 in.)*	651 x 661 x 1551 mm (25.63 x 26.02 x 61.06 in.) ; 228 kg (503 lbs.)	Horizontal build layers down to 18.75 microns (0.0007 in.)	Deviation from STL dimensions, for 1 Sigma (67%) of models printed with rigid materials, based on size: under 100 mm – ±150µ; above 100 mm – ±0.15% of part length.** Deviation from STL dimensions, for 2 Sigma (95%) of models printed with rigid materials, based on size: under 100 mm – ±180µ; above 100 mm – ±0.2% of part length.**
Stratasys J35 Pro	Round Print Tray with up to 1,174 cm² (182 in²) Print Height: 158 mm* (6.22 in.)*	651 x 661 x 774 mm (25.63 x 26.02 x 30.48 in.); 98 kg (216 lbs.)	Horizontal build layers down to 18.75 microns (0.0007 in.)	Deviation from STL dimensions, for 1 Sigma (67%) of models printed with rigid materials, based on size: under 100 mm – ±150µ; above 100 mm – ±0.15% of part length.** Deviation from STL dimensions, for 2 Sigma (95%) of models printed with rigid materials, based on size: under 100 mm – ±180µ; above 100 mm – ±0.2% of part length.**

¹ Using SUP705, SUP706 only ² Not available on the J826 Prime

* The maximal printable height for the J55 Prime is 187 mm (7.36 in.) and the maximal printable model height for the J35 Pro is 155 mm (6.1 in.).

** Measured when ambient temperature is 23 °C and relative humidity is 50%.

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MATERIAL GUIDE
POLYJET

