

# PolyJet Material/Printer Reference

## Rigid Opaque

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

## Rigid Transparent

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

## Simulated Rubber

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735™ <sup>2</sup> /J750	Stratasys J750 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
TangoGray™ (FLX950)	○	●	○	○	○	○	○	○
TangoBlack™ (FLX973)	○	●	○	○	○	○	○	○
TangoPlus™ (FLX930)	○	○	○	●	● <sup>3</sup>	○	○	○
TangoBlackPlus™ (FLX980)	○	○	○	●	● <sup>3</sup>	○	○	○
Agilus30™ Black (FLX985)	○	○	●	●	● <sup>3</sup>	●	○	○
Agilus30 White (FLX945)	○	○	○	●	● <sup>3</sup>	●	○	○
Agilus30 (Transparent) (FLX935)	○	○	●	●	●	●	○	○
Elastico™ Black	○	○	○	○	○	○	●	●
Elastico Clear	○	○	○	○	○	○	●	●

<sup>1</sup>Not available in the Americas

<sup>2</sup>Subject to regional availability

<sup>3</sup>VeroUltraClear is available only when operating in J750 (non-DAP) configuration

<sup>4</sup>Available on select V5 and select V3 systems

<sup>5</sup>Not available with J850 Pro

<sup>6</sup>Available only when printing in J750 (non-DAP) configuration.

# PolyJet Material/Printer Reference

## Simulated Polypropylene

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735 <sup>2</sup> /J750	Stratasys J750 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 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
Digital ABS Plus Ivory (RGD515 Plus & RGD531)	○	○	●	●	● <sup>4</sup>	●	●	●
High Temp (RGD525)	●	●	○	○	○	○	○	○

## Medical & Dental

Material	Objet30 Pro	Objet30 Prime, Objet30 Dental Prime	Stratasys J4100	Stratasys J735/750	Stratasys J750 Digital Anatomy	Stratasys J850 Pro/Prime/J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
VeroDent™ (MED670)	○	○	○	○	○	○	○	○
VeroGlaze™ (MED620)	○	● <sup>3</sup>	○	● <sup>4</sup>	○	○	○	○
Biocompatible Clear (MED610)	○	●	○	●	● <sup>4</sup>	○	○	○
Digital ABS Plus Biocompatible (MED515+DABS, IV and MED531DABS, IV)	○	○	○	● <sup>5</sup>	● <sup>4</sup>	○	○	○
Rigid Ivory Biocompatible (MED615RGD, IV)	○	○	○	● <sup>5</sup>	● <sup>4</sup>	○	○	○
TissueMatrix™ (MED310)	○	○	○	○	●	○	○	○
GelMatrix™ (FLG110)	○	○	○	○	●	○	○	○
BoneMatrix™ (RGD516)	○	○	○	○	●	○	○	○

<sup>1</sup>Not available in the Americas

<sup>2</sup>Dental and Dental Selection only

<sup>3</sup>Objet30 Dental Prime only

<sup>4</sup>Available only when printing in J750 (non-DAP) configuration

<sup>5</sup>Available only on J735/J750

# PolyJet Material/Printer Reference

## Specialty

Material	Objet30 Pro	Objet30 Prime	Stratasys J4100	Stratasys J735/J750	Stratasys J750 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)	○	○	○	●	●	○	○	○

## Support

Material	Objet30 Pro	Objet30 Prime	Objet Eden260VS	Stratasys J4100	Stratasys J735/J750	Stratasys J750 Digital Anatomy	Stratasys J850 Pro/Prime/ J826 Prime	Stratasys J55 Prime	Stratasys J35 Pro
SUP705™ and SUP705B (APJ) (Water Jet Removal) Biocompatible <sup>3</sup> with FC630; FC655; MED610; MED620; MED625FLX <sup>3</sup> ; MEDDABS+; MED615RGD	●	●	●	●	●	● <sup>4</sup>	●	○	○
SUP706B™ (Soluble Support) Biocompatible <sup>3</sup> with MED610; MED620; MED625FLX; MEDDABS+; MED615RGD <sup>3</sup>	●	●	○	○	●	●	●	○	○
SUP707™ (Water Soluble)	○	○	●	○	○	○	○	○	○
SUP710™	○	○	○	○	○	○	○	●	●

## Packaging Details

Printer	Type	Amount (kg)	Packing
Eden/Connex	Cartridge	3.6 kg	Pack of 1/Pack of 4 <sup>2</sup>
Stratasys J735/J750	Cartridge	3.6 kg	Pack of 1/Pack of 3 <sup>2</sup>
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 <b>Note:</b> 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

<sup>1</sup>Not available in the Americas

<sup>2</sup>Packaging subject to regional availability

<sup>3</sup>Biocompatibility is system dependent, please refer to the Medical & Dental section above

<sup>4</sup>SUP705/SUP705B available only when operating in J750 (non-DAP) configuration

# PolyJet Material/Printer Reference

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.)	<b>Objet30 Pro:</b> 28 microns (0.0011 in.), 16 microns (0.0006 in.) for VeroClear material <b>Objet30 Prime:</b> 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	<b>Stratasys J700:</b> 490 x 390 mm (19.3 x 15.35 in.) <b>Stratasys J735:</b> 350 x 350 x 200 mm (13.7 x 13.7 x 7.6 in.) <b>Stratasys J750:</b> 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.)	<b>Stratasys J700:</b> 55 microns (0.0021 in.) <b>Stratasys J735/J750:</b> Horizontal build layers down to 14 microns (.00055 in.) HS mode (28-30 microns)	<b>Stratasys J735/J750:</b> 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 Digital Anatomy	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.)	Horizontal build layers down to 14 microns (.00055 in.)	<b>Vero Materials:</b> 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 <b>Digital Anatomy Materials:</b> Not validated for accuracy, see technical documentation for design guidelines.
Stratasys J850 Pro/Prime/ J826 Prime	<b>J826 Prime:</b> 255 x 252 x 200 mm (10 x 9.9 x 7.9 in.) <b>J850 Pro/Prime:</b> 490 x 390 x 200 mm (19.3 x 15.35 x 7.9 in.)	<b>J826 Prime:</b> 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.) <b>J850 Pro/Prime:</b> 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 <sup>2</sup> : single resin, 54 microns	<b>J826 Prime:</b> Typical deviation from STL dimensions, for models printed with rigid materials, based on size: under 100 mm – ±100µ; above 100 mm – ±200µ. <b>J850 Pro/Prime:</b> 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 par length, whichever is greater.
Stratasys J55 Prime	Round Print Tray with up to 1,174cm <sup>2</sup> (182 in <sup>2</sup> ) Print Height: 190mm* (7.48 in.)*	651 x 661 x 1551mm (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 1,174cm <sup>2</sup> (182 in <sup>2</sup> ) Print Height: 158mm* (6.22 in.)*	651 x 661 x 774mm (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.**

<sup>1</sup> Using SUP705, SUP706 only

<sup>2</sup> 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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