FDM Machine/Material Reference

Printer				
Printer	**Build Envelope (XYZ)**	**Cartridge Or Canister Volume**	**External Dim. (WxDxH)**	**Layer Thickness (Z-Height)**
Stratasys F120™	25.4 x 25.4 x 25.4 cm (10 x 10 x 10 in.)	200 cu in.	88.9 x 87.0 x 72.1 cm (35 x 35 x 29 in.)	0.330 mm (0.013 in.), 0.254 mm (0.010 in.), 0.178 mm (0.007 in.)
Stratasys F170™	25.4 x 25.4 x 25.4 cm (10 x 10 x 10 in.)	60 or 90 cu in.	162.6 x 86.4 x 71.1 cm (64 x 34 x 28 in.)	0.330 mm (0.013 in.), 0.254 mm (0.010 in.), 0.178 mm (0.007 in.)
Stratasys F270™	30.5 x 25.4 x 30.5 cm (12 x 10 x 12 in.)	60 or 90 cu in.	162.6 x 86.4 x 71.1 cm (64 x 34 x 28 in.)	0.330 mm (0.013 in.), 0.254 mm (0.010 in.), 0.178 mm (0.007 in.), 0.127 mm (0.005 in.)
Stratasys F370™	35.6 x 25.4 x 36.6 cm (14 x 10 x 14 in.)	60 or 90 cu in.	162.6 x 86.4 x 71.1 cm (64 x 34 x 28 in.)	0.330 mm (0.013 in.), 0.254 mm (0.010 in.), 0.178 mm (0.007 in.), 0.127 mm (0.005 in.)
F770™	100 x 61 x 61 cm (39.4 x 24 x 24 in.)	200 cu in.	175 x 124 x 196 cm (69 x 49 x 77 in.)	0.330 mm (0.013 in.), 0.254 mm (0.010 in.), 0.178 mm (0.007 in.)
Fortus 450mc™	40.6 x 35.6 x 40.6 cm (16 x 14 x 16 in.)	92 cu in., 184 cu in., 500 cu in.	127 x 90.17 x 198.4 cm (50 x 35.5 x 76.5 in.)	0.330 mm (0.013 in.), 0.254 mm (0.010 in.), 0.178 mm (0.007 in.), 0.127 mm (0.005 in.)
Stratasys F900™	91.4 x 60.7 x 91.4 cm (36 x 24 x 36 in.)	92 cu in., 184 cu in., 500 cu in.	277.2 x 168.3 x 202.7 cm (109.1 x 66.3 x 79.8 in.)	0.508 mm (0.020 in.), 0.330 mm (0.013 in.), 0.254 mm (0.010 in.), 0.178 mm (0.007 in.), 0.127 mm (0.005 in.)

Material Classification			
Material	**Standard**	**Engineering**	**High Performance**
ABS-M30™	●	○	○
ABS-M30i™	●	○	○
ABS-ESD7™	●	○	○
ASA	●	○	○
PLA	●	○	○
ABS-CF10	○	●	○
PC-ABS	○	●	○
PC	○	●	○
PC-ISO™	○	●	○
FDM™ Nylon 6	○	●	○
FDM™ Nylon 12	○	●	○
FDM™ TPU 92A	○	●	○
Diran™ 410MF07	○	●	○
Antero™ 800NA	○	○	●
Antero™ 840CN03	○	○	●
FDM™ Nylon 12 CF	○	○	●
ST-130™	○	○	●
ULTEM™ 9085 resin	○	○	●
ULTEM™ 9085 CG resin	○	○	●
ULTEM™ 1010 resin	○	○	●
ULTEM™ 1010 CG resin	○	○	●
PPSF	○	○	●

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FDM Machine/Material Reference

Material Color																							
Material	**ABS-M30[1,2]**	**ABS-M30i**	**ABS-ESD7**	**ASA[2]**	**PLA**	**ABS-CF10**	**PC-ABS**	**PC[1,2]**	**PC-ISO**	**Diran 410MF07**	**FDM Nylon 6**	**FDM Nylon 12**	**FDM TPU 92A**	**Antero 800NA**	**Antero 840CN03**	**FDM Nylon 12CF**	**ST-130**	**ULTEM™ 9085 resin[1]**	**ULTEM™ 1010 resin**	**ULTEM™ 9085 CG resin**	**ULTEM™ 1010 CG resin**	**PPSF**
Amber Translucent	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Black	●	○	●	●	●	●	●	○	○	○	●	●	●	○	●	●	○	●	○	○	○	○	○
Blue	●	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Blue Translucent	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Dark Blue	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Dark Gray	●	○	○	●	○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○
Green	●	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Green Translucent	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ivory	●	●	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Light Gray	○	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Medium Gray	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Natural	○	○	○	○	○	○	○	○	○	○	○	○	○	●	○	○	●	●	●	●	●	●	●
Natural Translucent	○	○	○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Nectarine	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Olive Green	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Orange	●	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Red	●	○	○	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Red Translucent	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
White	●	○	○	●	●	○	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Yellow	●	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Yellow Translucent	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Support Material	(Soluble) SR-20™, SR-30[2], SR-35, QSR™	(Soluble) SR-20, SR-30[2], SR-35	(Soluble) SR-30[2], SR-35 QSR	(Soluble) SR-30[2], SR-35, QSR	(Breakaway), PLA	(Soluble) QSR	(Soluble) SR-20, SR-110™, QSR	(Soluble) SR-100™ (Breakaway) PC-Breakaway[2]	(Breakaway) PC-Breakaway	(Breakaway) SUP4000B™	(Soluble) SR-110	(Soluble) SR-110	(Soluble) QSR	(Breakaway) SUP8000B™	(Breakaway) SUP8000B	(Soluble) SR-110	(Breakaway) ST130_S™	(Breakaway) ULTEM™ 9085 resin Breakaway	(Breakaway) ULTEM™ 1010 resin Breakaway	(Breakaway) ULTEM™ 9085 resin Breakaway	(Breakaway) ULTEM™ 1010 resin Breakaway	(Breakaway) PPSF Breakaway

[1] Xtend 184 cu in canister

[2] Available in Xtend 500 cu in box

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FDM Machine/Material Reference

Support Material							
Material	**Stratasys F120**	**Stratasys F170**	**Stratasys F270**	**Stratasys F370**	**Stratasys F770**	**Fortus 450mc**	**Stratasys F900**
ABS-M30	SR30	QSR	QSR	QSR	SR30	SR30, SR35	SR30, SR35, SR20
ABS-M30i	–	–	–	–	–	SR30, SR35	SR30, SR35, SR20
ABS-ESD7	–	–	–	QSR	–	SR30, SR35	SR30, SR35
ASA	SR30	QSR	QSR	QSR	SR30	SR30, SR35	SR30, SR35
PLA	–	PLA	PLA	PLA	–	–	SR110
ABS-CF10	–	QSR	QSR	QSR	–	–	–
PC-ABS	–	–	–	QSR	–	SR110	SR110
PC	–	–	–	–	–	SR100, PCBASS*	SR100, PCBASS*
PC-ISO	–	–	–	–	–	PCBASS*	PCBASS*
FDM Nylon 6	–	–	–	–	–	–	SR110
FDM Nylon 12	–	–	–	–	–	SR110	SR110
FDM TPU 92A	–	QSR	QSR	QSR	–	–	–
Diran 410MF07	–	–	–	SUP4000B	–	–	–
Antero 800NA	–	–	–	–	–	SUP8000B	SUP8000B
Antero 840CN03	–	–	–	–	–	SUP8000B	SUP8000B
FDM Nylon 12CF	–	–	–	–	–	SR110	SR110
ST-130	–	–	–	–	–	ST130S	ST130S
ULTEM™ 9085 resin	–	–	–	–	–	BASS9085*	BASS9085*
ULTEM™ 1010 resin	–	–	–	–	–	BASS1010*	BASS1010*
ULTEM™ 9085 CG resin	–	–	–	–	–	BASS9085*	BASS9085*
ULTEM™ 1010 CG resin	–	–	–	–	–	BASS1010*	BASS1010*
PPSF	–	–	–	–	–	–	BASSPPSF*

* BASS stands for Breakaway Support System

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