

# 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.)
Fortus 380mc™	35.6 x 30.5 x 30.5 cm (14 x 12 x 12 in.)	92 cu in. or 184 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.)
Fortus 380mc Carbon Fiber Edition	35.6 x 30.5 x 30.5 cm (14 x 12 x 12 in.)	92 cu in. or 184 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.)
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	●	○	○
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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## Material Color

Material	ABS-M30 <sup>1,2</sup>	ABS-M30i	ABS-ESD7	ASA <sup>2</sup>	PLA	PC-ABS	PC <sup>1,2</sup>	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 <sup>1</sup>	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 <sup>2</sup> , SR-35, QSR™	(Soluble) SR-20, SR-30 <sup>2</sup> , SR-35	(Soluble) SR-30 <sup>2</sup> , SR-35, QSR	(Soluble) SR-30 <sup>2</sup> , SR-35, QSR	(Breakaway), PLA	(Soluble) SR-20, SR-110™, QSR	(Soluble) SR-100™, (Breakaway) PC- Breakaway <sup>c</sup>	(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

<sup>1</sup> Xtend 184 cu in canister

<sup>2</sup> Available in Xtend 500 cu in box

# FDM Machine/Material Reference

## Support Material

Material	Stratasys F120	Stratasys F170	Stratasys F270	Stratasys F370	Fortus 380mc	Fortus 380mc CFE	Fortus 450mc	Stratasys F900
ABS-M30	SR30	QSR	QSR	QSR	SR30, SR35	-	SR30, SR35	SR30, SR35, SR20
ABS-M30i	-	-	-	-	SR30, SR35	-	SR30, SR35	SR30, SR35, SR20
ABS-ESD7	-	-	-	QSR	SR30, SR35	-	SR30, SR35	SR30, SR35
ASA	SR30	QSR	QSR	QSR	SR30, SR35	SR30, SR35	SR30, SR35	SR30, SR35
PLA	-	PLA	PLA	PLA	-	-	-	SR110
PC-ABS	-	-	-	QSR	SR110	-	SR110	SR110
PC	-	-	-	-	SR100, PCBASS*	-	SR100, PCBASS*	SR100, PCBASS*
PC-ISO	-	-	-	-	PCBASS*	-	PCBASS*	PCBASS*
FDM Nylon 6	-	-	-	-	-	-	-	SR110
FDM Nylon 12	-	-	-	-	SR110	-	SR110	SR110
FDM TPU 92A	-	QSR	QSR	QSR	-	-	-	-
Diran 410MF07	-	-	-	SUP4000B	-	-	-	-
Antero 800NA	-	-	-	-	-	-	SUP8000B	SUP8000B
Antero 840CN03	-	-	-	-	-	-	SUP8000B	SUP8000B
FDM Nylon 12CF	-	-	-	-	-	SR110	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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