

FDM Machine/Material Reference



Printer				
Printer	Build Envelope (XYZ)	Cartridge Or Canister Volume	External Dim. (WxDxH)	Layer Thickness (Z-Height)
F170™	25.4 x 25.4 x 25.4 cm (10 x 10 x 10 in.)	60 or 90 cu in.	86.4 x 71.1 x 162.6 cm (34 x 28 x 64 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.)
F370™	35.6 x 25.4 x 35.6 cm (14 x 10 x 14 in.)	60 or 90 cu in.	86.4 x 71.1 x 162.6 cm (34 x 28 x 64 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.)
F190™CR	30.5 cm x 25.4 cm x 30.5 cm (12 x 10 x 12 in.)	60 or 90 cu in.	86.4 x 71.1 x 162.6 cm (34 x 28 x 64 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.)
F370®CR	35.6 cm x 25.4 cm x 35.6 cm (14 x 10 x 14 in.)	60 or 90 cu in.	86.4 x 71.1 x 162.6 cm (34 x 28 x 64 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.)
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 (refer to material datasheets for specific properties and colors)

Standard Plastics	Engineering Plastics	High-Performance Plastics
ABS-M30™	ABS-CF10	Antero™ 800NA
ABS-M30i™	Addigy® PA6/66-GF20 FR LS	Antero™ 840CN03
ABS-ESD7™	Diran™ 410MF07	FDM™ Nylon 12 CF
ASA	FDM™ Nylon 6	PPSF
FDM HIPS	FDM™ Nylon 12	ULTEM™ 9085 resin
PLA	FDM® Nylon-CF10	ULTEM™ 1010 resin
	FDM™ TPU 92A	VICTREX AM™ 200
	Kimya PC-FR	ST-130™
	PC	
	PC-ABS	
	PC-ISO™	

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Support Material

Material	F170	F190CR	F370	F370CR	F770	Fortus 450mc	Stratasys F900
ABS-M30	QSR	QSR	QSR	QSR	SR30	SR30, SR35	SR30, SR35
ABS-M30i	-	-	-	-	-	SR30, SR35	SR30, SR35
ABS-ESD7	-	-	QSR	QSR	-	SR30, SR35	SR30, SR35
ASA	QSR	QSR	QSR	QSR	SR30	SR30, SR35	SR30, SR35
PLA	PLA	-	PLA	-	-	-	SR110
ABS-CF10	QSR	QSR	QSR	QSR	-	-	-
PC-ABS	-	-	QSR	QSR	-	SR110	SR110
PC	-	-	-	-	-	SR100, PC BASS*	SR100, PC BASS*
PC-ISO	-	-	-	-	-	PC BASS*	PC BASS*
FDM Nylon 6	-	-	-	-	-	-	SR110
FDM Nylon 12	-	-	-	-	-	SR110	SR110
FDM TPU 92A	QSR	QSR	QSR	QSR	-	-	-
Diran 410MF07	-	-	SUP4000B	SUP4000B	-	-	-
Antero 800NA	-	-	-	-	-	SUP8000B	SUP8000B
Antero 840CN03	-	-	-	-	-	SUP8000B	SUP8000B
FDM Nylon 12CF	-	-	-	-	-	SR110	SR110
FDM Nylon-CF10	-	QSR, SUP4000B	-	QSR, SUP4000B	-	-	-
ST-130	-	-	-	-	-	ST130S	ST130S
ULTEM™ 9085 resin	-	-	-	-	-	SUP8500B	SUP8500B
ULTEM™ 1010 resin	-	-	-	-	-	SUP9000B	SUP9000B
ULTEM™ 9085 resin CG	-	-	-	-	-	SUP8500B	SUP8500B
ULTEM™ 1010 resin CG	-	-	-	-	-	SUP9000B	SUP9000B
PPSF	-	-	-	-	-	-	PPSF BASS*
Addigy PA6/66-GF20 FR LS	-	-	-	-	-	SUP4000B	-
Kimya PC-FR	-	-	-	-	-	SR100	-
Victrex AM 200	-	-	-	-	-	SR100	-
FDM HIPS	-	-	-	-	-	SUP1500B	-

* BASS stands for Breakaway Support System

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