

FDM Machine Material Reference



Printer				
Printer	Build Envelope (XYZ)	Material Volume	External Dim. (WxDxH)	Layer Thickness (Z-Height)
F170™	25.4 x 25.4 x 25.4 cm (10 x 10 x 10 in.)	983 or 1475 cc (60 or 90 ci)	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.)	983 or 1475 cc (60 or 90 ci)	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.)	3277 cc (200 ci)	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 x 25.4 x 30.5 cm (12 x 10 x 12 in.)	983 or 1475 cc (60 or 90 ci)	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 x 25.4 x 35.6 cm (14 x 10 x 14 in.)	983 or 1475 cc (60 or 90 ci)	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.)	1508, 3015, 8194 cc (92, 184, 500 ci)	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.)	1508, 3015, 4100, 8194 cc (92, 184, 250, 500 ci)	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.)
F3300™	60 x 60 x 80 cm (23.6 x 23.6 x 31.5 in.)	4100 cc (250 ci)	203.2 x 162.6 x 236.2 cm (80 x 64 x 93 in.)	0.500 mm (0.020 in.), 0.250 mm (0.010 in.), 0.188 mm (0.007 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™	Diran™ 410MF07	Antero™ 840CN03
ABS-ESD7™	FDM™ Nylon 6	FDM™ Nylon 12 CF
ASA	FDM™ Nylon 12	PPSF
FDM HIPS	FDM® Nylon-CF10	ULTEM™ 9085 resin
PLA	FDM™ TPU 92A	ULTEM™ 1010 resin
	Kimya PC-FR	ST-130™
	PC	VICTREX AM™ 200
	PC-ABS	
	PC-ISO™	
	PC-ESD	

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Support Material								
Material	F170	F190CR	F370	F370CR	F770	Fortus 450mc	Stratasys F900	F3300
ABS-M30	QSR	QSR	QSR	QSR	SR-30	SR-30, SR-35	SR-30, SR-35	-
ABS-M30i	-	-	-	-	-	SR-30, SR-35	SR-30, SR-35	-
ABS-ESD7	-	-	QSR	QSR	-	SR-30, SR-35	SR-30, SR-35	-
ASA	QSR	QSR	QSR	QSR	SR-30	SR-30, SR-35	SR-30, SR-35	SR-35
PLA	PLA	-	PLA	-	-	-	-	-
ABS-CF10	QSR	QSR	QSR	QSR	-	-	-	-
PC-ABS	-	-	QSR	QSR	-	SR-110	SR-110	-
PC	-	-	-	-	-	SR-100, PC BASS*	SR-100, PC BASS*	SR-110
PC-ISO	-	-	-	-	-	PC BASS*	PC BASS*	-
FDM Nylon 6	-	-	-	-	-	-	SR-110	-
FDM Nylon 12	-	-	-	-	-	SR-110	SR-110	-
FDM TPU 92A	QSR	QSR	QSR	QSR	-	-	-	-
Diran 410MF07	-	-	SUP4000B	SUP4000B	-	-	-	-
Antero 800NA	-	-	-	-	-	SUP8000B	SUP8000B	-
Antero 840CN03	-	-	-	-	-	SUP8000B	SUP8000B	-
FDM Nylon 12CF	-	-	-	-	-	SR-110	SR-110	SR-110
FDM Nylon-CF10	-	QSR, SUP4000B	-	QSR, SUP4000B	-	-	-	-
ST-130	-	-	-	-	-	ST130S	ST130S	-
ULTEM™ 9085 resin	-	-	-	-	-	SUP8500B	SUP8500B	SUP8500B
ULTEM™ 1010 resin	-	-	-	-	-	SUP9000B	SUP9000B	-
ULTEM™ 9085 resin CG	-	-	-	-	-	SUP8500B	SUP8500B	-
ULTEM™ 1010 resin CG	-	-	-	-	-	SUP9000B	SUP9000B	-
PPSF	-	-	-	-	-	-	PPSF BASS*	-
Kimya PC-FR	-	-	-	-	-	SR-100	SR-100	-
FDM HIPS	-	-	-	-	-	SUP1500B™	SUP1500B	-
VICTREX AM™ 200	-	-	-	-	-	SR-100, SUP8000B	SR-100, SUP8000B	-
PC-ESD	-	-	-	-	-	SR-100	SR-100	-

* BASS stands for Breakaway Support System

