Materials Guide - FDM

Material performance rating based on Application and Usages
Good *
Better **
Best ***

Common Application and Usages	ABSplus	ABSi	ABS-M30	ABS-ESD7	PC-ABS	ABS-M30i	ASA	PC	PC-ISO	FDM Nylon12	Ultem 9085 Resin	Ultem 1010	PPSF / PPSU	PLA
Visual and Aesthetic Models	**	*	**	*	**	*	***	*	*	*	*	*	*	**
Form and Fitment Testing	**	**	**	*	***	**	***	*	*	*	**	**	*	**
Rigid-Opaque Part Functional Testing	***	**	***	*	***	**	***	**	**	***	***	***	**	***
Rigid-Translucent / Transparent Parts	*	**	*			*	*	**	**		*	*	*	***
Flexible / Rubber Part Teseting										*				
Non-Ambient Temperature Part Testing	*	*	*	*	**	*	*	**	**	*	***	***	***	*
Tooling / Patterns - Metal	**	*	**		*	*	**	***		*	***	***	***	**
Tooling / Patterns - Composites	**	**	**	*	**	*	**	***	*	*	***	***	***	**
Tooling / Patterns - Plastics	**	*	**	*	**	*	**	***	**	*	***	***	***	**
Electrostatic Parts				***										
Medical Bio-compatible						***			***			***	**	
Food Safety Bio-compatible												***		
End-Use Parts	***	***	***	***	***	***	***	***	***	***	***	***	***	***
Finishing - Coatings and Coloring	**	***	**	*	**	**	**	**	*	**	***	***	**	**
Shape Changing and Surface Improvement	***	***	***	***	***	***	***	***	***	*	***	***	**	**
Fastening	**	**	**	**	**	**	**	**	**	***	**	**	*	**

Printers that use material														
	Mojo	Fortus 400	Fortus 360	Fortus 400	Fortus 360	Fortus 400	Fortus 400	Fortus 400	Fortus 400	Fortus 400	Fortus 400	Fortus 450	Fortus 400	F170
	uPrint SE	Fortus 900	Fortus 400	Fortus 900	Fortus 380	Fortus 900	Fortus 900	Fortus 900	Fortus 900	Fortus 900	Fortus 900	Fortus 900	Fortus 900	F270
	uPrint SE Plus		Fortus 900	Fortus 380	Fortus 400	Fortus 380	Fortus 380	Fortus 380	Fortus 380	Fortus 380	Fortus 450			F370
	Dimension Elite		Fortus 380	Fortus 450	Fortus 450	Fortus 450	Fortus 450	Fortus 450	Fortus 450	Fortus 450				
	Dimension 1200 BST		Fortus 450		Fortus 900		Fortus 360	Fortus 360		Fortus 360				
	Dimesion 1200 SST		F170		F370		F170							
	Fortus 250		F270				F270							
			F370				F370							