

Approved plastics for laser direct structuring with LPKF LDS systems

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
ABS	RTP	699 X 113386 B	BLK
	Styron	MAGNUM™ LDS/ABS 3453	WHT
PC/ABS	Kingfa	Vismid 3200 LDS	BLK
		Vismid SOL 3200 LDS	WHT
	Lucky Enpla	LAY1000 9309	BLK
	MEP	XANTAR® LDS 3710	BLK
		XANTAR® RC 3711	GRY
		XANTAR® LDS 3720	BLK
		XANTAR® LDS 3722	GRY
		XANTAR® LDS 3724	WHT
		Iupilon LAG 2710R2	WHT
		Iupilon LAG 2720R2	WHT
		Iupilon LAG 2730R	WHT
		Iupilon LAG 2910R2	BLK
		Iupilon LAG 2920R2	BLK
	Iupilon LAG 2930R	BLK	
	RTP	2599 X 113384 A	BLK
		2599 X 130952 B	WHT
	Sabic	Thermocomp NX07354	BLK
		Thermocomp NX07354P	BLK
		Thermocomp NX10302	BLK
		Thermocomp NX11302	WHT
Sinoplast	POLYKING® HF420-LM	BLK	
Samsung SDI	LP-1010	BLK	
Wah Hong	TPJF231F	BLK	
PC	Kingfa	Vismid SOL 2100 LDS	WHT
		Vismid SOL 2102 LDS	WHT
	LG Chem	LUPOY LS1004W	WHT
		LUPOY LS1004 BK	BLK
		LUPOY LS2302W	WHT
		LUPOY LS2302 BK	BLK
	Lucky Enpla	LPC1000 9321	BLK
		LPC1001 9306	BLK
	MEP	XANTAR® LDS 3730	BLK
		XANTAR® LDS 3732	GRY
		XANTAR® LDS 3734	WHT
		Iupilon MTB100R 8920F	BLK
	RTP	399 X 113385 B	BLK
Samsung SDI	LP-1020	BLK	

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
PC	Sabic	DX11354	BLK
		DX11354X	WHT
		DX11355	BLK
		DX13354	BLK
	Sinoplast	POLYKING® 7015-LM	BLK
		POLYKING® 7015-LMT	WHT
PBT	Evonik	Vestodur® X9423	BLK
	Lanxess	Pocan® DP7102 LDS	GRY
	RTP	1099 X 127271 C	BLK
	Sinoplast	POLYKING® BT201-LMG6	BLK
PET/PBT	Lanxess	Pocan DP7140	BLK
COP	Zeon	Zeonex RS-420 LDS	BLK
PPE	Premix	Preperm 260 LDS	BLK
PA/PPA	BASF	Ultramid® T 4381 LDS sw 23215	BLK
	DSM	Stanyl® ForTii™ LDS81 (NC1107A)	BLK
		Stanyl® ForTii™ LDS51 (NC1119B)	GRY
		Stanyl® ForTii™ LDS85 (NC1107E)	GRY
	EMS	Grilamid 1SBVX-50H LDS	BLK
		Grilamid FE10902 black	BLK
		Grivory HT XE 11015 LDS black 9511	BLK
	Ensinger	TECACOMP® PPA LDS black 4108 (thermal conductive)	BLK
		TECACOMP® PPA LDS black 4109 (thermal conductive)	BLK
	Evonik	Vestamid® HTplus LDS 1031 black	BLK
		Vestamid® HTplus LDS 3031 black	BLK
	Kingfa	Vismid SOL 65250 LDS	BLK
	MEP	Reny 1002PS	BLK
		Reny XHP 1002	BLK
		Reny XHP 1351L	BLK
		Reny XHP 2091L	BLK
		Reny XHP 2081 EH	WHT
		Reny XHP 2082 ET (thermal conductive)	WHT
		Reny XHP 2084 ET (thermal conductive)	WHT
	PTS	CREAMID-A3H2G7LDS*M9200	BLK
		CREAMID-AH2GX5ELDS*M9200	BLK
	Polyone	Therma-Tech™ TT6000-8709 EI LDS (thermal conductive)	BLK
	RTP	RTP 299 X 113399 H	BLK
RTP 4099 X 117359 D		BLK	

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
PA/PPA	Sabic	UX08325	BLK
		UX08305	BLK
	Sinoplast	POLYKING [®] HT-LM	BLK
LCP	Ensinger	TECACOMP [®] LCP LDS black 4107	GRY
	RTP	RTP 3499-3 X 113393 A	GRY
	Ticona	Vectra [®] E840i LDS	GRY
		Vectra [®] E845i LDS	GRY
PEI	RTP	2199 X 127272 A	BLK
		2199 X 127272 E	BLK
PEEK	Ensinger	TECACOMP PEEK LDS	BLK

These materials were tested by LPKF AG in terms of plating performance and adhesion (peel) strength

For further information regarding LDS approved materials, please contact LPKF staff

————— Recently added materials