

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	Dongsung	NEOLDS PC/ABS	BLK	
		NEOLDS PC/ABS H	BLK	
	Kingfa	Vismid 3200 LDS	BLK	
		Vismid SOL 3200 LDS	WHT	
	LG Chem	LUPOY LS 5004 BK	BLK	
	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 NX10302	BLK
			Thermocomp NX11302	WHT
	Sinoplast		POLYKING® HF420-LM	BLK
	Samsung SDI		LP-1010	BLK
			LP-1011	WHT
	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

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
PC	RTP	399 X 113385 B	BLK
	Samsung SDI	LP-1020	BLK
		LP-1021	WHT
		LP-3200	BLK
		LP-3201	WHT
		LP-3300	BLK
	Sabic	DX11354	BLK
		DX11354X	WHT
		DX11355	BLK
		DX13354	BLK
		DX14354X	WHT
	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
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Thermoplastic materials			
Polymer	Company	Grade Name	CLR
PA/PPA	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
	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