

Approved **THERMO-PLASTIC** polymers for Laser Direct Structuring (LDS) with LPKF laser systems.

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
ABS	RTP	699 X 113386 B	BLK
	Trinseo	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
	MCG (formerly MEP)	XANTAR® LDS 3710	BLK
		XANTAR® RC 3711	GRY
		XANTAR® LDS 3720	BLK
		XANTAR® LDS 3722	GRY
		XANTAR® LDS 3724	WHT
	MEP	lupilon LAG 2710R2	WHT
		lupilon LAG 2720R2	WHT
		lupilon LAG 2730R	WHT
		lupilon LAG 2910R2	BLK
		lupilon LAG 2920R	BLK
		lupilon LAG 2920R2	BLK
		lupilon 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

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
PC	Bluestar Chengrand	SUNPLAS LDS C0040	WHT
		SUNPLAS LDS C0140	BLK
	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
	MCG (formerly MEP)	Xantar™ LDS 3730	BLK
		Xantar™ LDS 3732	GRY
		Xantar™ LDS 3734	WHT
		Xantar™ LDS 3740 E	BLK
		Xantar™ LDS 3744 E	GRY
		Xantar™ LDS 3750	BLK
		Xantar™ LDS 3760	BLK
		Xantar™ LDS 3764	WHT
	MEP	Iupilon MTB100R 8920F	BLK
	RTP	399 X 113385 B	BLK
		399 X 131442 K	BLK
	Samsung SDI	LP-1020	BLK
		LP-1021	WHT
		LP-3200	BLK
		LP-3201	WHT
		LP-3300	BLK
	Sabic	LNP™ THERMOCOMP™ COMPOUND D10001VR	BLK
		LNP™ THERMOCOMP™ COMPOUND D10001VI	DIV
		LNP™ THERMOCOMP™ COMPOUND D10006VR	BLK
		LNP™ THERMOCOMP™ COMPOUND DF002FV	DIV
		LNP™ THERMOCOMP™ COMPOUND DF002FVQ	BLK
		LNP™ THERMOCOMP™ COMPOUND DF0041VI	BLK
		LNP™ THERMOCOMP™ COMPOUND DF0061VI	BLK
		LNP™ THERMOCOMP™ COMPOUND DX13354X	DIV
		LNP™ THERMOCOMP™ COMPOUND DX15354	BLK
		LNP™ THERMOCOMP™ COMPOUND DX11354	BLK
		LNP™ THERMOCOMP™ COMPOUND DX11354X	WHT
		LNP™ THERMOCOMP™ COMPOUND DX11355	BLK
		LNP™ THERMOCOMP™ COMPOUND DX13354	BLK
		LNP™ THERMOCOMP™ COMPOUND DX14354X	WHT
	LNP™ ELCRIN™ COMPOUND DX11355RC	BLK	
	Teijin	Panlite® GYV-3520A	BLK
		Panlite® DN-5326BA	BLK
		Panlite® MX-1072A	BLK

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
PC	Sinoplast	POLYKING® 6010-LM/BK	BLK
		POLYKING® 6010-LMT/WH	WHT
		POLYKING® 7015-LM	BLK
	Sinoplast	POLYKING® 7015-LMT	WHT
	Trinseo	EMERGE LDS/PC 8900	BLK
	PolyOne	Edgetek™ ET3200-8177 LDS NHFR BK002	BLK
		Edgetek™ ET3200-8205 LDS NHFR BK001	BLK
	PC+PET	MCG (formerly MEP)	XANTAR® LDS 3780
PA/PPA	CNDONG	CP9025	BLK
	DSM	ForTii™ LDS51B	GRY
		ForTii™ LDS81	BLK
		ForTii™ LDS85	GRY
		ForTii™ LDS85B	BLK
		ForTii™ Eco LDS61	BLK
		ForTii™ Eco LDS62	BLK
	EMS	Grilamid 1SBVX-50H LDS	BLK
		Grilamid FE10902 black	BLK
		Grilamid 1S XE 11382 LDS	BLK
		Grilamid 2S XE 11397 LDS	BLK
		Grivory HT XE 11015 LDS black 9511	BLK
	Ensinger	TECACOMP® PPA LDS black 1014979 (Thermal conductive)	BLK
		TECACOMP® PPA LDS black 1014980 (Thermal conductive)	BLK
	Evonik	Vestamid® HT <i>plus</i> LDS 1031 black	BLK
		Vestamid® HT <i>plus</i> LDS 3031 black	BLK
	Kingfa	Vismid SOL 65250 LDS	BLK
	GPAC (formerly MEP)	Reny 1002PS	BLK
		Reny 1501PS	BLK
		Reny XHP 1002	BLK
		Reny XHP 1002 A	BLK
		Reny XHP 1005	GRY
		Reny XHP 1081L	BLK
		Reny XHP 1501	BLK
	PTS	CREAMID-A3H2G7LDS*M9200	BLK
		CREAMID-AH2GX5ELDS*M9200	BLK
	Polyone	Therma-Tech™ TT6000-8709 EI LDS (Thermal conductive)	BLK

Thermoplastic materials			
Polymer	Company	Grade Name	CLR
PA/PPA	RTP	RTP 299 X 113399 H	BLK
		RTP 4099 X 117359 D	BLK
		RTP 4099 A X 117387	BLK
	Sabic	LNP™ THERMOCOMP™ COMPOUND UF 0067V	BLK
		UX08325	BLK
		UX08305	BLK
Sinoplast	POLYKING® HT-LM	BLK	
PBT	Evonik	Vestodur® X9423	BLK
	RTP	1099 X 127271 C	BLK
	Sinoplast	POLYKING® BT201-LMG6	BLK
COP	Zeon	Zeonex RS-420 LDS	BLK
PPO	Bluestar Chengrand	CP003-LDS	WHT
		CP013-LDS	BLK
	Sabic	LNP™ THERMOCOMP™ COMPOUND Z1C00VI	BLK
PPE	Asahi Kasei	XYRON™ K4330	BLK
		XYRON™ K534F	BLK
		XYRON™ K533F	BLK
		XYRON™ K4340	BLK
	Premix	Preperm 260 LDS	BLK
LCP	PolyOne	Edgetek™ ET9600-8010 LDS BK001	BLK
	Ensinger	TECACOMP® LCP LDS black 1014978	BLK
	RTP	RTP 3499-3 X 113393 A	GRY
	Celanese	Vectra® E840i LDS	GRY
		Vectra® E845i LDS	GRY
	Sabic	LNP™ THERMOCOMP™ COMPOUND 8K008V	BLK
		LNP™ THERMOCOMP™ COMPOUND 8KF44VE	BLK
		LNP™ THERMOCOMP™ COMPOUND 8MF44VG	BLK
	Seyang Polymer	Seyang® LCP G825GT LS	BLK
Sinoplast	POLYKING® C301-LM/BK	BLK	
Otsuka Chemical	POTICON® VCW8B-LDS	GRY	
PEI	RTP	2199 X 127272 A	BLK
		2199 X 127272 E	BLK
PEEK	Ensinger	TECACOMP PEEK MED LDS grey 1067594	GRY
		TECACOMP PEEK LDS grey 1061958	GRY
		TECACOMP® PEEK LDS black 1047045	BLK
PPS	Sabic	LNP™ THERMOCOMP™ COMPOUND OFC08V	GRY

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

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

Recently added or edited materials are **highlighted in blue**.

The most recent version of this list is available here:

[Link to list of approved thermoplastic polymers for 3D MID and Laser Direct Structuring](#)