

Photolithography

Photoresist name	Polarity	Thickness range	Manufacturer / Supplier
AZ 1512	Positive	1.0 - 1.8 um	AZ Electronics-IMM
AZ 1505	Positive	0.4 - 0.8 um	AZ Electronics-IMM
SPR220-3.0	Positive	2.4 - 5.5 um	Kayaku
SPR220-7.0	Positive	5.5 - 15 um	Kayaku
AZ P4620	Positive	7 - 20 um	AZ Electronics-IMM
AZ nLOF 2020	Negative	1.5 - 4.5 um	AZ Electronics-IMM
LOR 5A	Lift-off layer	0.5 - 1.0 um	Kayaku

Developers	Agent	Manufacturer / Supplier
AZ 300 MIF	2-3% TMAH	AZ Electronics-IMM
AZ 917 MIF	2-3% TMAH with surfactants	AZ Electronics-IMM
AZ 400 K	buffered KOH for thick resist	AZ Electronics-IMM
SU-8 developer	100% PGMEA	Kayaku

Removers	Agent	Manufacturer / Supplier
AZ 400 T	NMP + propanediol	AZ Electronics
EBR-PG	dioxolane + PGME	Kayaku
AZ EBR	100% PGMEA	AZ Electronics

Electron-beam lithography

Resist name	Polarity	Thickness Range	Manufacturer / Supplier
950k PMMA A 2	Positive	60 -100 nm	Kayaku
950k PMMA A 4	Positive	180 - 300 nm	Kayaku
MMA (8.5) MAA EL 6	Lift-off layer	100 - 250 nm	Kayaku
A Thinner	-	-	Kayaku
AZ nLOF 2020	Negative	1.5 - 4.5 um	AZ Electronics-IMM
PGMEA for nLOF dilution	-	-	various
LOR 5A	Lift-off layer	0.5 - 1.0 um	Kayaku

Developers	Agent
MIBK:IPA	PMMA/MMA
2-3% TMAH	nLOF 2020/LOR
25% TMAH	HSQ

Note the Cleanroom supplies SU-8 developer, and it does not supply SU-8 Photoresist.