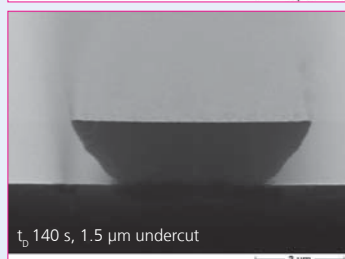
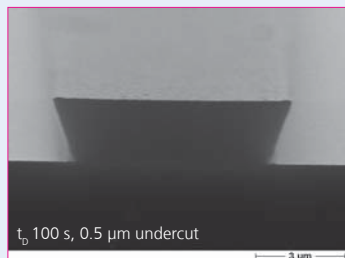
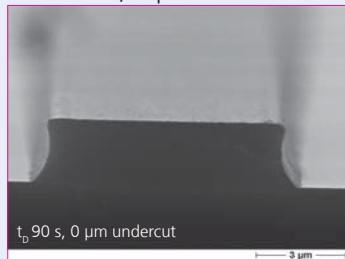


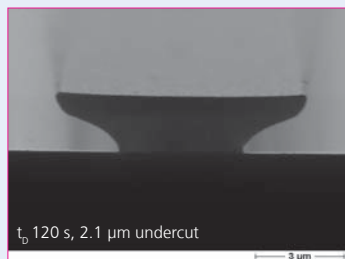
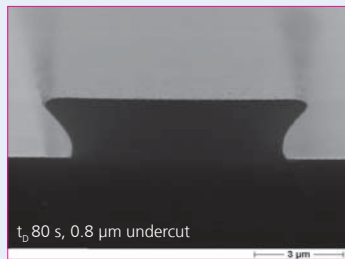
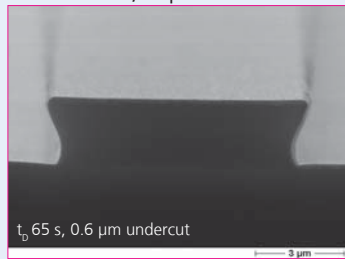
# ma-N 400 and ma-N 1400 — Negative Tone Photoresists

## Conventional Pattern Transfer and Single-Layer Lift-Off

ma-N 400, 2 µm thick



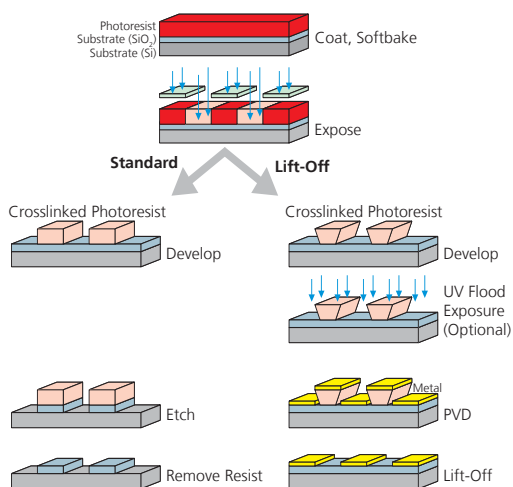
ma-N 1400, 2 µm thick



### Unique features

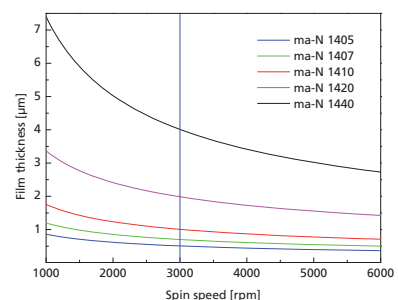
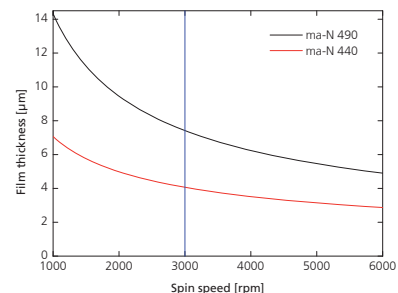
- High wet and dry etch resistance
- Good thermal stability of the resist pattern
- Tunable pattern profil: vertical to undercut
- Aqueous alkaline development
- Easy to remove
- Based on safe solvents
- Resists available in a variety of viscosities

### Standard and Lift-off process



### Applications

- Microelectronics and micro systems technology
- Mask for lift-off processes
- Etch mask for semiconductors and metals
- Well suitable for implantation



### Technical data

Resist	ma-N 400	µm	ma-N 1400	µm
Film thickness	ma-N 440	4.1	ma-N 1405	0.5
	ma-N 490	7.5	ma-N 1407	0.7
			ma-N 1410	1.0
			ma-N 1420	2.0
			ma-N 1440	4.0
Spin coating / time	3000 rpm, 30 s			
Spectral sensitivity	300 - 380 nm		300 - 410 nm	
Thermal stability	up to 110 °C, for metal evaporation		up to 160 °C, for metal evaporation and sputtering	

