

Positive Photoresist for LED PSS Process

EPI 615 Technical data



2017/12/20

Properties

PR name	EPI 615
Viscosity [cP]	33
Eth [msec]	200
Dark Erosion [Å]	92
Eop (2.3/0.7um) [msec]	240
EL(2.3/0.7um) [%]	33
Resolution [um]	0.7

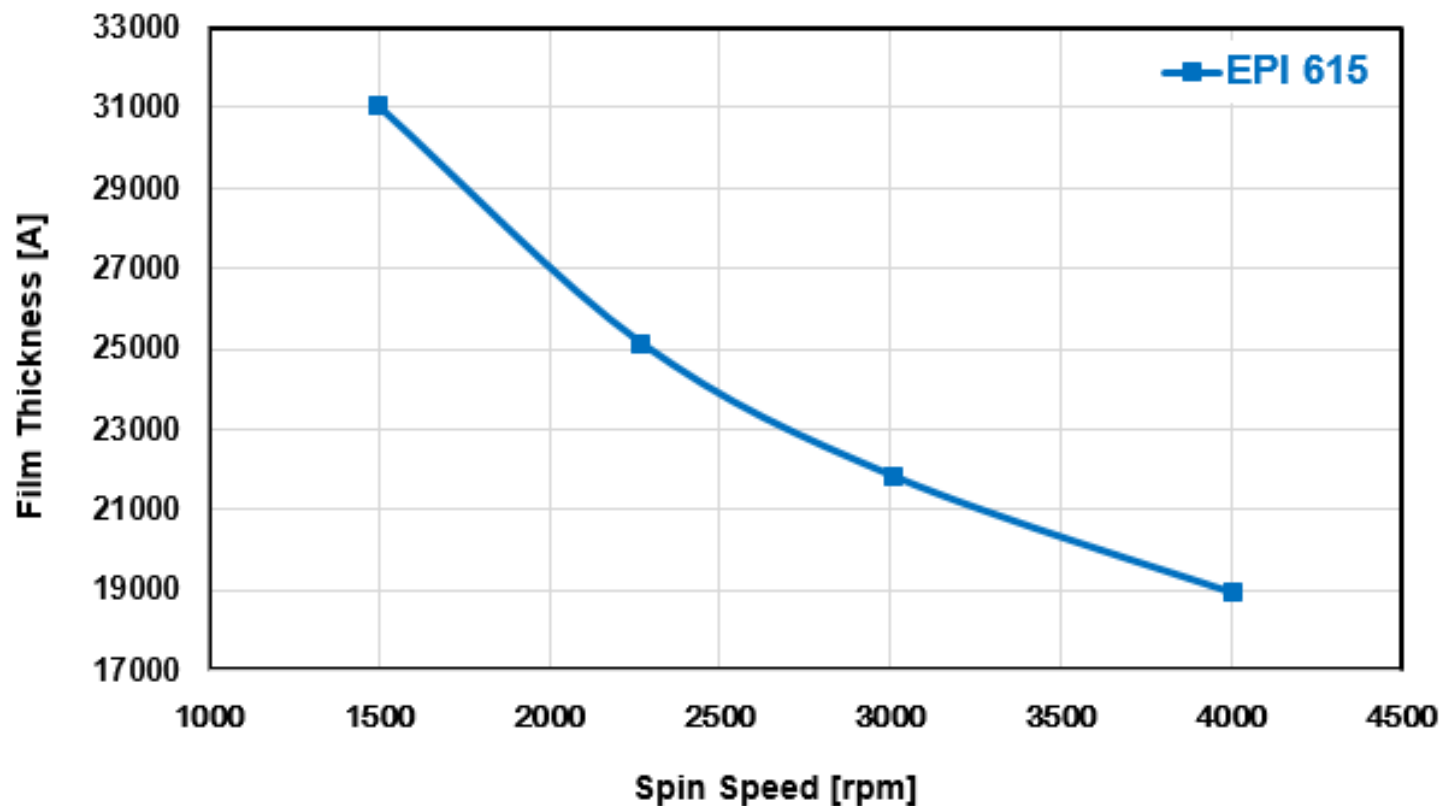
Condition

Substrate : Bare Si (with HMDS)
Thickness : 25100 Å
Prebake : 100°C / 60sec (hot plate)
Exposure : Nikon i7a (NA=0.5)
Development : EPD 2000 Puddle 60sec. 25°C

Electronic Chemicals

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Spin Curve

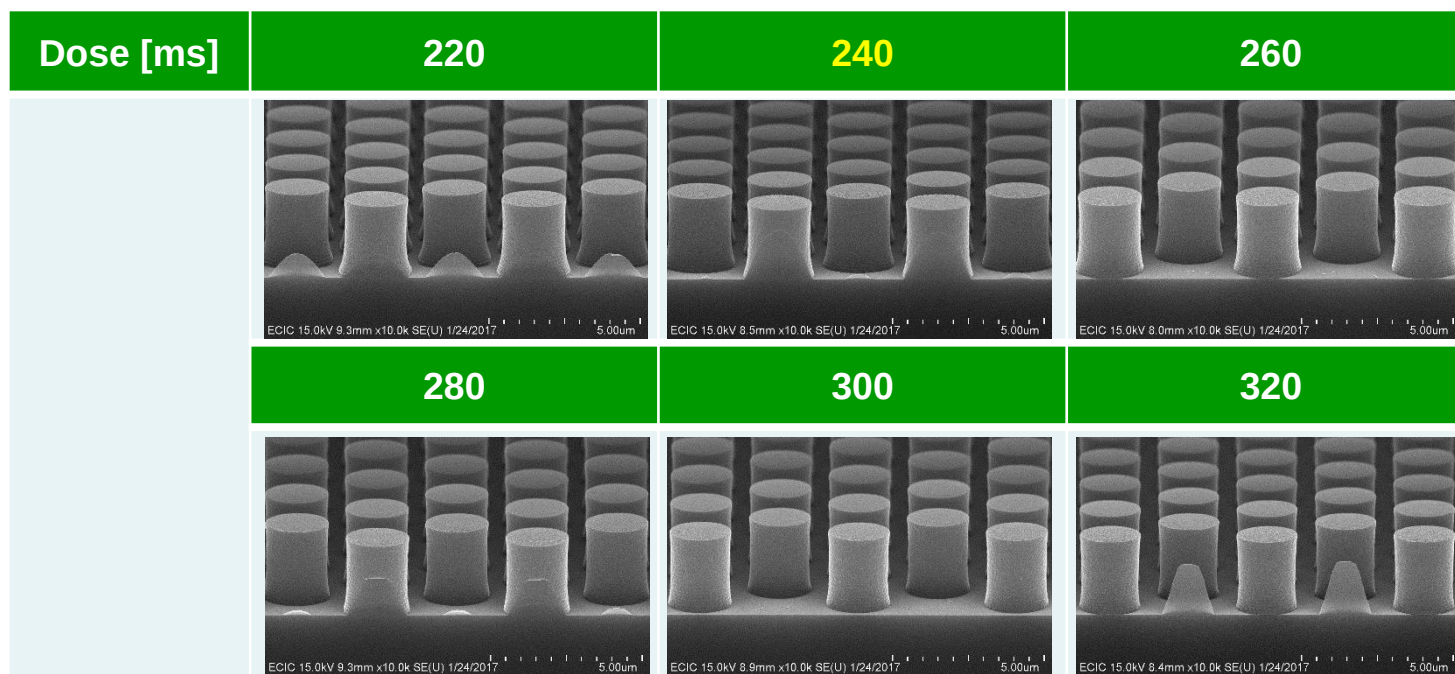
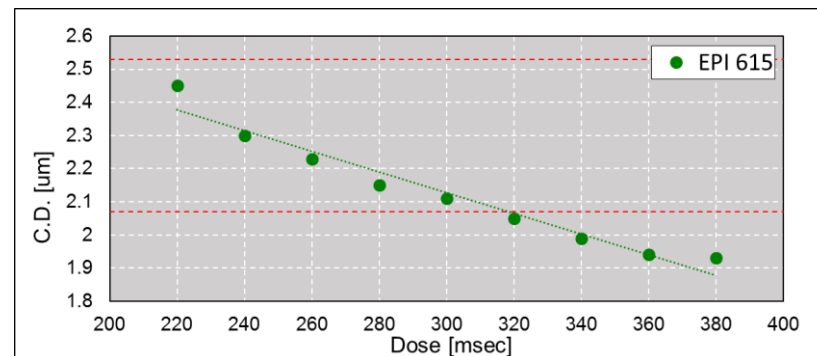


Exposure Latitude

C.D. = 2.3/0.7 μm

Condition

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Thickness : 25100 Å
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Exposure : Nikon i7a (NA=0.5)
Development : EPD 2000 Puddle 60sec. 25°C
C.D. : Line/Space=2.3/0.7 μm



Electronic Chemicals

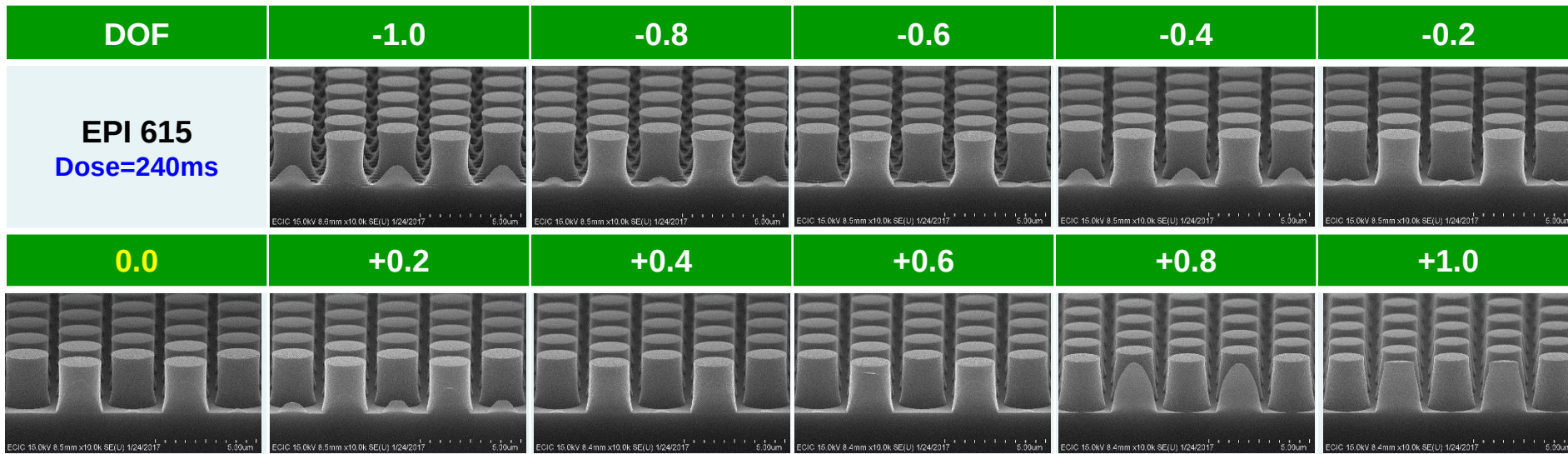
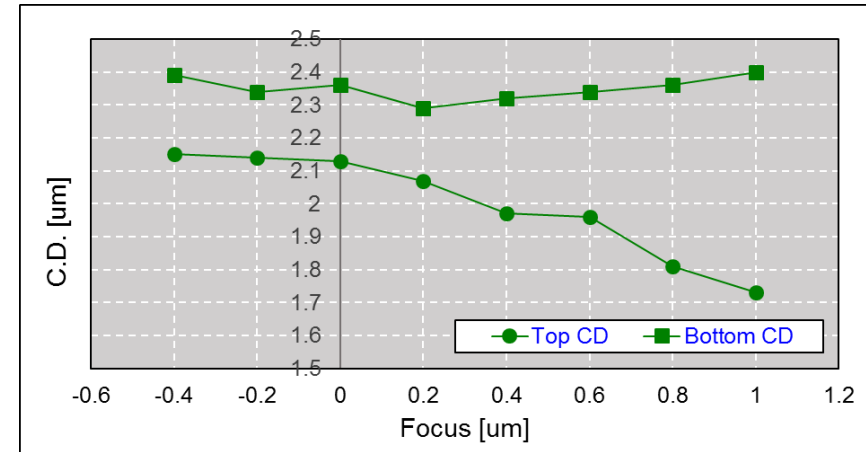
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Depth of Focus

$C.D. = 2.3/0.7\mu m$

Condition

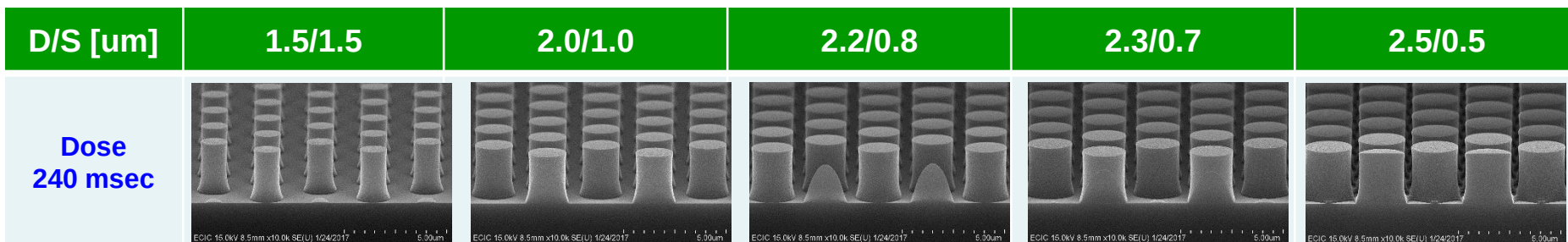
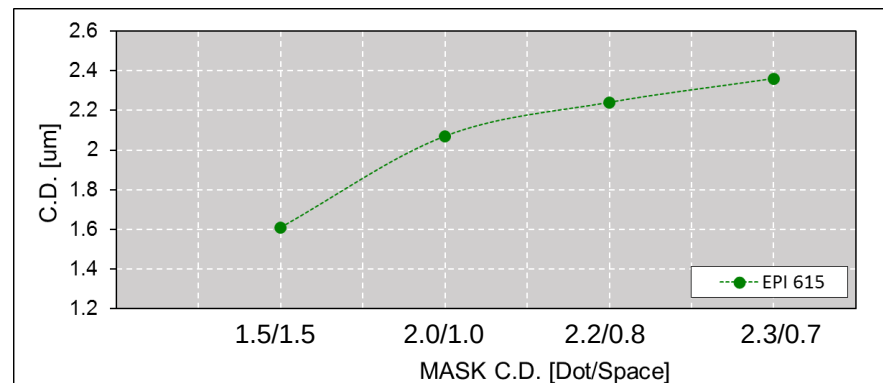
Substrate : Bare Si (with HMDS)
 Thickness : 25100 Å
 Prebake : 100°C / 60sec (hot plate)
 Exposure : Nikon i7a (NA=0.5)
 Development : EPD 2000 Puddle 60sec. 25°C
 C.D. : Dot/Space=2.3/0.7um



Resolution

Condition

Substrate : Bare Si (with HMDS)
Thickness : 25100 Å
Prebake : 100°C / 60sec (hot plate)
Exposure : Nikon i7a (NA=0.5)
Development : EPD 2000 Puddle 60sec. 25°C



Storage

- Temp. : 0~10°C
- Shelf life : 1 year
- Package : 1 Gal Plastic Bottle