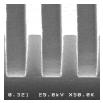


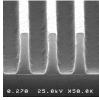
ARCH 8250

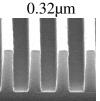
A multipurpose 248nm photoresist

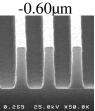
Resolution

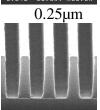


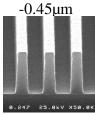


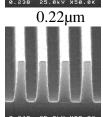


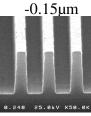


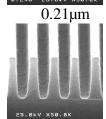


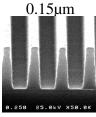












 $0.20 \mu m$

 $0.45 \mu m$

Substrate: 500Å DUV32
Resist Thickness: 0.78µm
Soft Bake: 120°C/60"
Exposure: 20mJ/cm²

ISI XLS 7800
NA/Sigma: 0.53/0.74
P.E.B.: 100°C/60"
Develop: OPD4262
60"puddle

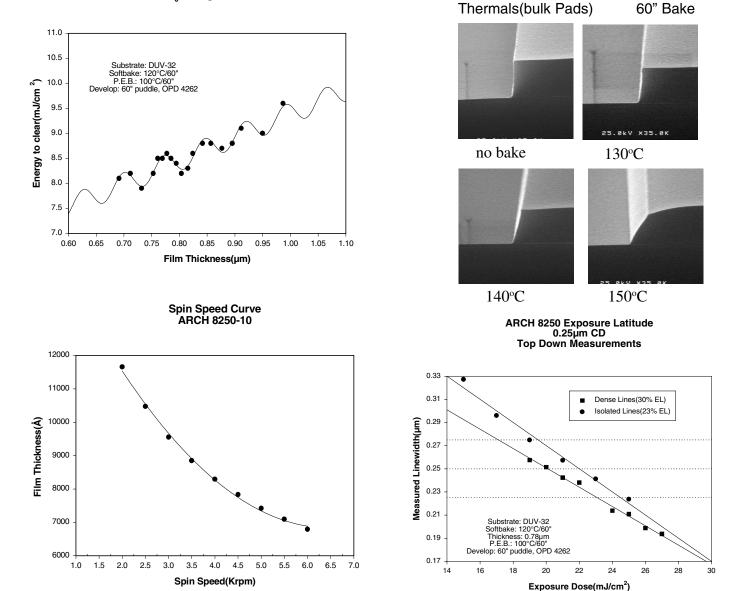
ARCH 8250 is a multi-purpose DUV photoresist based on ARCH's proprietary bulky acetal technology. Benefits obtained using ARCH 8250 include the following:

- Etch resistance equivalent to DNQ/Novolac.
- Superior performance on TiN; no footing at substrate/photoresist interface.
- Excellent P.E.D. stability.
- Multiple application capability:
 - > L/S.
 - > Contacts.
 - > Pillars.
- Square profiles.
- Low defectivity.
- Compatible with binary and PSM processes for vias.





ARCH 8250 on DUV-32 E₀ Swing Curve



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Tel: 32/3/250 05 11 Fax: 32/3/252 46 31 FUJIFILM OLIN Co., Ltd. 15th Arai-Bldg. 19-20 Jingumae 6-chome Shibuya-ku, Tokyo, 150 Japan Phone: +81 -3-3406-6911 Fax: +81 -3-3498-0567

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