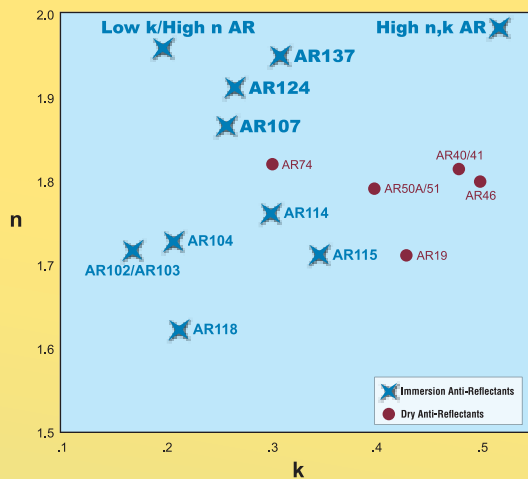


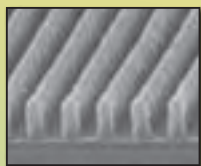
# World Leader

## ArF Immersion Anti-Reflectants

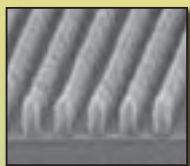
- Broad resist compatibility with improved pattern collapse margin
- Superior defect control
- Platforms provide tunable n,k to meet all reflectivity needs
- Ultra-thin films – sub-30 nm



### AR™ High n,k Anti-Reflectant

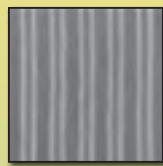


50 nm 1:1 Lines/Spaces  
n,k = 1.99 / 0.52



45 nm 1:1 Lines/Spaces  
n,k = 1.99 / 0.52

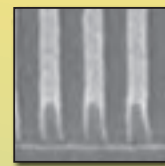
### AR107 Anti-Reflectant



50 nm 1:1  
Lines/Spaces

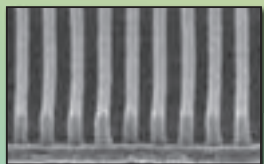


38 nm 1:1.6  
Lines/Spaces



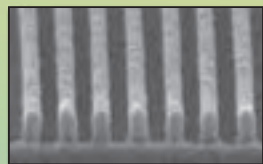
50 nm 1:1  
Lines/Spaces

### AR124 Anti-Reflectant



45 nm Lines/Spaces  
22 nm AR124 Anti-Reflectant

### AR137 Anti-Reflectant



45 nm Lines/Spaces  
25 nm AR137 Anti-Reflectant