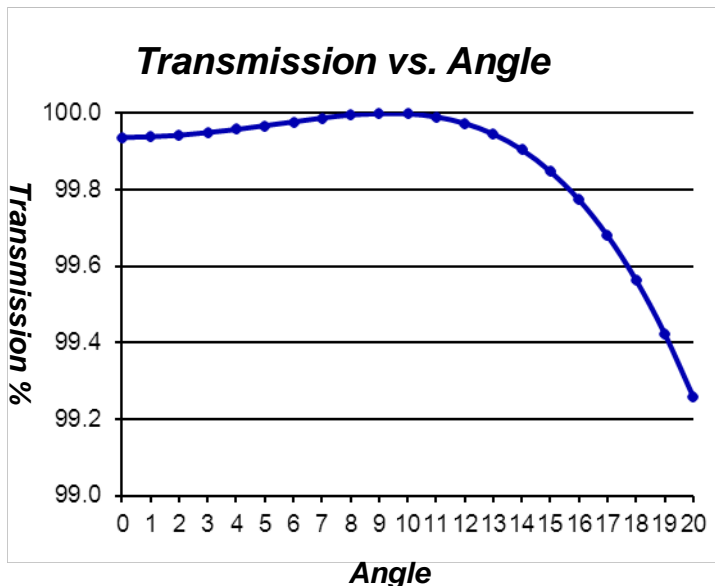


## Advanced pellicle for advanced technologies

# MLI Film Type 801

### (For ArF-193nm Pellicle)

MLI's advanced ArF-193nm pellicle is thoroughly tested from individual material component to the complete pellicle with the most advance analytical instruments such as Ion Chromatography (IC), Gas Chromatography & Mass Spectra (GCMS), Fourier transfer infrared spectrometer (FTIR), UV/visible spectrophotometers and Excimer laser @ 193nm. Summary of test results are listed under the advanced features below.



### Specifications

#### Material

Fluorocarbon polymer

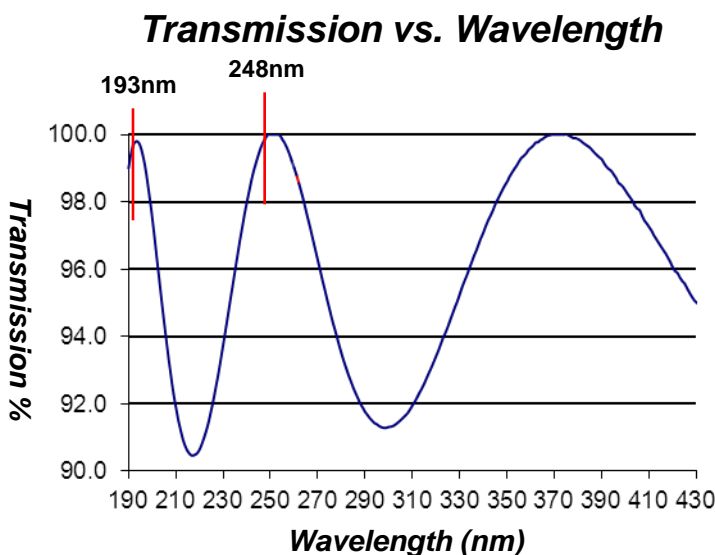
#### Transmission

Minimum 99% @ 193nm

Thickness: < 0.3 $\mu$ m

### Special Features

- Super thin film for optical improvement
- Optimized film to achieve highest transmission of  $\geq 99\%$  @ 193nm from 0 to 20 degree incident angle.



### Application

For use in higher NA illumination system

### Advanced features

- Low Ammonia and Sulfate ions
- Very low outgassing
- Very low PID (Pellicle Induced Distortion)

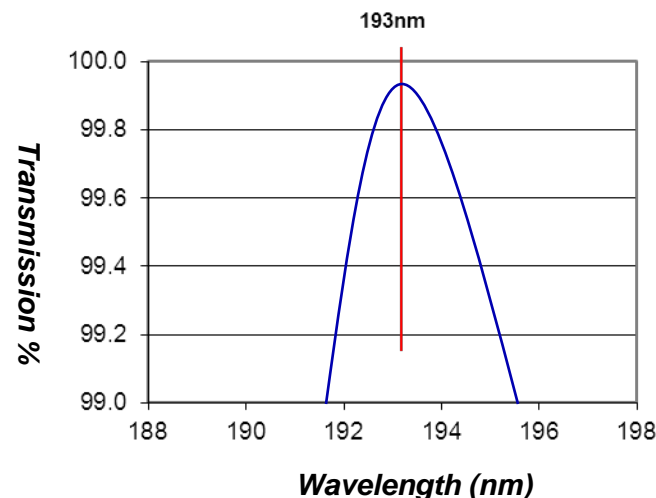
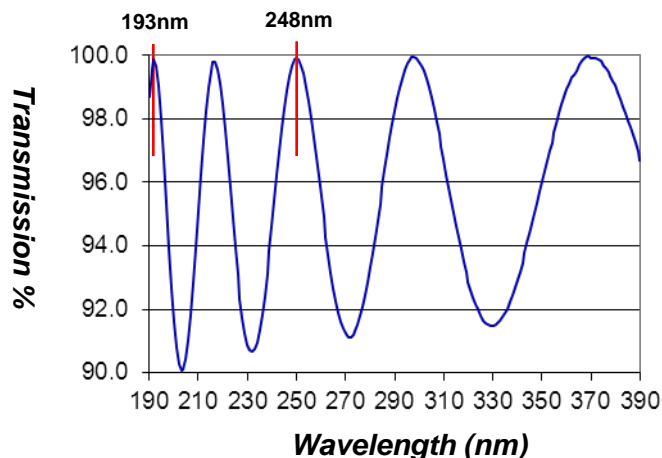
## Advanced pellicle for advanced technologies

# MLI Film Type 703

## (For ArF-193nm Pellicle)

MLI's advanced ArF-193nm pellicle is thoroughly tested from individual material component to the complete pellicle with the most advance analytical instruments such as Ion Chromatography (IC), Gas Chromatography & Mass Spectra (GCMS), Fourier transfer infrared spectrometer (FTIR), UV/visible spectrophotometers and Excimer laser @ 193nm. Summary of test results are listed under the advanced features below.

### Transmission vs. Wavelength



### Specifications

#### Material

Fluorocarbon polymer

#### Transmission

- Minimum 99% @ 193nm
- Minimum 99% @ 248nm

Thickness: 0.55 $\mu$ m

### Application

- For advanced ArF-193nm technology nodes.

### Advanced features

- Low Ammonia and Sulfate ions frame
- Low Pellicle induced distortion (PID)
- Low out-gassing