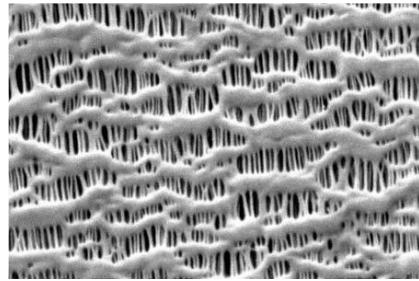


### Product Name & Description

Celgard® 3500  
25µm Monolayer Microporous Membrane (PP)  
Surfactant Coated



SEM images for illustrative purposes only

### Primary Applications

Aqueous Electrolyte Battery Systems

### Product Benefits

- Surfactant coated for rapid wetting
- Gas barrier provides thermal stability
- Zero TD shrinkage reduces internal shorting and improves high temperature dimensional stability
- Oxidation resistance for excellent cycling and trickle charge performance
- Low foaming performance – well suited for applications where gas is generated

### Packaging

Please contact your Celgard representative for more information on product roll lengths and slit widths.

### Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Thickness	µm	25
Gurley (JIS)	Seconds	200
Porosity (Calculated)	%	55
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	1.1 / 5.0
TD Tensile Strength (typical / min)	Kg/cm <sup>2</sup>	130 / 80
MD Tensile Strength (typical / min)	Kg/cm <sup>2</sup>	1170 / 770
Puncture Strength (typical / min)	Grams Force (gf)	325 / 200
Wettability (max- internal method)	seconds	30

Shelf life: 9 months from coating date

At the Center of Membrane Innovation

### Manufacturing Locations

#### United States

*Headquarters, Manufacturing and R&D at Charlotte*  
13800 South Lakes Drive  
Charlotte, North Carolina  
28273 United States  
Phone: +1 704-588-5310  
Fax: +1 704-588-5319

*Manufacturing and R&D at Concord*  
390 Business Boulevard  
Concord, North Carolina  
28027 United States  
Phone: +1 704-720-5200  
Fax: +1 704-720-5211

#### China

*Manufacturing & Distribution*  
Celgard (Shanghai) Materials Technology Co., Ltd.  
Building 2, 180 North Riying Road,  
China (Shanghai) Pilot Free Trade Zone,  
Pudong New District, Shanghai, 200131 China  
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### Sales Offices

#### Europe, Middle East & Africa (EMEA)

*Sales & Technical Service*  
Phone: +33 3 88 82 41 08  
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Phone: +82 41-905-6001  
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#### China

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Phone: +86 21 3813 9910  
Fax: +86 21 3813 9911

#### Japan

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Phone: +81 3-6891-3750  
Fax: +81 3-6891-3769

#### India & South Asia

*Sales & Technical Service*  
Phone: +91 80 4256 1104  
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