

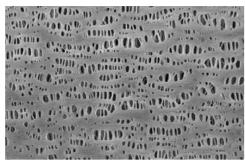
# Celgard® 3401 Monolayer Microporous Membrane

## **Product Name & Description**

Celgard® 3401 25µm Monolayer Microporous Membrane (PP) **Surfactant Coated** 

## **Primary Applications**

**Aqueous Electrolyte** Battery Systems



SEM images for illustrative purposes only

### **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

## **Technical Data (Typical Properties)**

Basic Film Properties	Unit of Measure	Typical Value
Thickness	μm	25
Gurley (JIS)	Seconds	620
Porosity (calculated)	%	41
TD Shrinkage @ 90°C / 1 Hour (typical)	%	0
MD Shrinkage @ 90°C / 1 Hour (typical / max)	%	2.3 / 5.0
TD Tensile Strength (typical / min)	Kg/cm <sup>2</sup>	140 / 70
MD Tensile Strength (typical / min)	Kg/cm <sup>2</sup>	1420 / 700
Puncture Strength (typical / min)	Grams Force (gf)	450 / 340
Wettability (max)	seconds	30

## **Packaging**

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



## **Contact Information**

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