

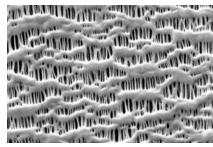
Celgard® 3400 Monolayer Microporous Membrane

Product Name & Description

Celgard® 3400 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
- 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	620
Porosity (Calculated)	%	41
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	2.3 / 5.0
TD Tensile Strength (typical / min)	Kg/cm ²	140 / 70
MD Tensile Strength (typical / min)	Kg/cm ²	1420 / 700
Puncture Strength (typical / min)	Grams Force (gf)	450 / 340
Wettability (max- internal method)	seconds	30

Shelf life: 9 months from coating date

At the Center of Membrane Innovation



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