

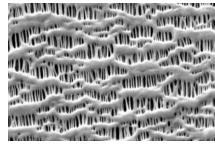
Celgard® 3407 Monolayer Microporous Membrane

Product Name & Description

Celgard® 3407 28µm Monolayer Microporous Membrane (PP) Surfactant Coated

Primary Applications

Zinc Battery Systems (Controlled Release)



SEM images for illustrative purposes only

Product Benefits

- Surfactant coated for permanent wetting in KOH electrolyte
- Balanced electrical impedance for good rate capabilities
- Suppresses Zinc migration and reduces dendrites for longer cycle life
- Zero TD shrinkage reduces internal shorting and improves high temperature dimensional stability
- Oxidation resistance for excellent cycling and trickle charge performance

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	28
Gurley (JIS)	Seconds	620
Porosity (Calculated)	%	41
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	3.1 / 5.0
TD Tensile Strength (typical / min)	Kg/cm²	140 / 70
MD Tensile Strength (typical / min)	Kg/cm²	1575 / 700
Puncture Strength (typical / min)	Grams Force (gf)	450 / 340
Wettability (max- internal method)	seconds	60

At the Center of Membrane Innovation



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