

Product Name & Description

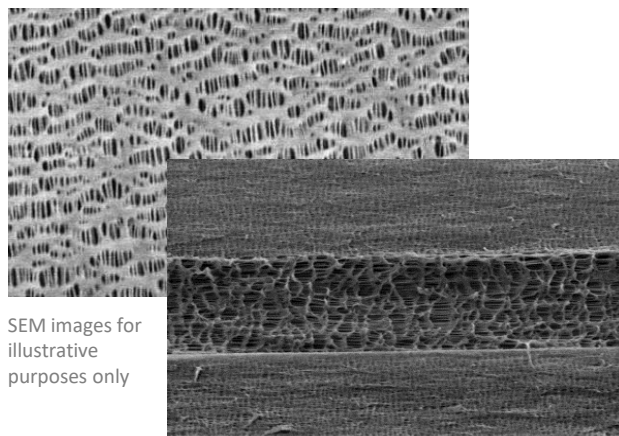
Celgard® 2340
39µm Trilayer Microporous Membrane (PP/PE/PP)

Primary Applications

High Energy Lithium Battery Systems; especially safety-critical and performance-critical applications

Product Benefits

- Zero TD shrinkage reduces internal shorting
- Uniform pore structure with high chemical & thermal stability
- High porosity for excellent high-rate performance
- PP outer layer provides high temperature melt integrity, oxidation resistance
- PE inner layer provides high-speed shutdown features
- Offers exceptional safety and longevity for energy applications



Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Thickness	µm	39
Gurley (JIS)	Seconds	780
Porosity (calculated)	%	44
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	3.5 / 8.0
TD Tensile Strength (typical / min)	Kg/cm ²	165 / 100
MD Tensile Strength (typical / min)	Kg/cm ²	1630 / 1400
Puncture Strength (typical / min)	Grams Force (gf)	700 / 550

Packaging

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

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Users of any substance should satisfy themselves by independent investigation that the material can be used safely. We may have described certain hazards, but we cannot guarantee that these are the only hazards that exist. Review the Product Safety Data Sheet for environmental, health and safety information related to this product.

