

Product Name & Description

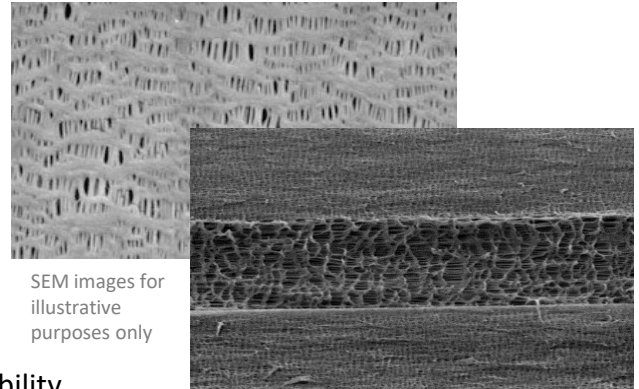
Celgard® S1608
16µm Trilayer Microporous Membrane (PP/PE/PP)

Primary Applications

High Power Lithium-Ion Battery Systems:
Automotive EDV, ESS

Product Benefits

- Designed for improved high-speed cell winding and coating ability
- Reduced post compression spring back to aid in efficient can insertion
- Enhanced TD characteristics for improved puncture performance
- Highest porosity enhances rate performance relative to other Celgard® PP/PE/PP products
- Ultra low electrical impedance
- PP outer layer provides high temperature melt integrity, oxidation resistance; PE inner layer provides high speed shutdown feature
- Ultra low electrical impedance



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	16
Gurley (JIS)	Seconds	150
Porosity (Calculated)	%	53
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	2.5 / 6.0
TD Tensile Strength (typical / min)	Kg/cm ²	110 / 95
MD Tensile Strength (typical / min)	Kg/cm ²	2100 / 1200
Puncture Strength (typical / min)	Grams Force (gf)	350 / 180

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