

Product Name & Description

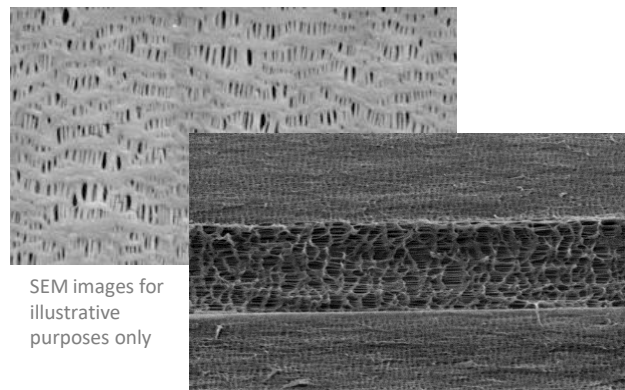
Celgard® H2010
20µm Trilayer Microporous Membrane (PP/PE/PP)

Primary Applications

High Power Lithium-Ion Battery Systems; especially those that require additional safety advantages

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
- 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	20
Gurley (JIS)	Seconds	240
Porosity (Calculated)	%	46
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	2.0 / 6.0
TD Tensile Strength (typical / min)	Kg/cm ²	140 / 100
MD Tensile Strength (typical / min)	Kg/cm ²	1900 / 1200
Puncture Strength (typical / min)	Grams Force (gf)	385 / 320

Manufacturing Locations

United States

Headquarters, Manufacturing and R&D at Charlotte

13800 South Lakes Drive
Charlotte, North Carolina
28273 United States

Phone: +1 704-588-5310

Fax: +1 704-588-5319

Manufacturing and R&D at Concord

390 Business Boulevard
Concord, North Carolina
28027 United States

Phone: +1 704-720-5200

Fax: +1 704-720-5211

China

Manufacturing & Distribution

Celgard (Shanghai) Materials Technology Co., Ltd.

Building 2, 180 North Ruying Road,

China (Shanghai) Pilot Free Trade Zone,

Pudong New District, Shanghai, 200131 China

Phone: +86 (21) 5028 0001

Sales Offices

Europe, Middle East & Africa (EMEA)

Sales & Technical Service

Phone: +33 3 88 82 41 08

Fax: +33 3 55 03 59 03

Korea

Sales & Technical Service

Phone: +82 41-905-6001

Fax: +82 41-905-6099

China

Sales & Technical Service

Phone: +86 21 3813 9910

Fax: +86 21 3813 9911

Japan

Sales & Technical Service

Phone: +81 3-6891-3750

Fax: +81 3-6891-3769

India & South Asia

Sales & Technical Service

Phone: +91 80 4256 1104

Fax: +91 80 4256 1106



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