

Product Name & Description

Celgard® 5550
25µm Monolayer Microporous Membrane (PP)
Laminated to a Non-Woven Membrane (PP)
Surfactant Coated

Primary Applications

Zinc-Air Batteries



Product Benefits

- Thick, multilayer construction provides increased strength and high puncture resistance
- PP non-woven laminate enables high electrolyte retention for long working life
- Low electrical impedance provides high-rate capabilities
- Surfactant coated for rapid wetting

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
Total Film Thickness	µm	102
Total Film Gurley (ASTM)	Seconds	9
Coat Wet Out (max – internal method)	seconds	30

Microporous Membrane (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Thickness	µm	25
Gurley (JIS)	Seconds	200
Porosity (Calculated)	%	55
TD Shrinkage @ 90°C / 1 Hour (typical)	%	0
MD Shrinkage @ 90°C / 1 Hour (typical / max)	%	1.1 / 5.0
TD Tensile Strength (typical / min)	Kg/cm ²	130 / 80
MD Tensile Strength (typical / min)	Kg/cm ²	1170 / 770
Puncture Strength (typical / min)	Grams Force (gf)	325 / 200

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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