

Celgard® 3419S Monolayer Microporous & 3420 Non-Woven Membrane

Product Name & Description

Celgard® 3419S 25µm Monolayer Microporous Membrane (PP) & Celgard® 3420 220µm Monolayer Non-Woven Separator (PP)

Surfactant Coated Hydrophilic Membranes



Primary Applications

NiCd Battery Systems

Large Format Vented Systems in Aviation, Transportation and Telecommunication Backup

Product Benefits

- 3419S provides gas barrier for thermal stability
- 3420 acts as an ideal separator in NiCd systems
- Both 3419S & 3420 are coated with the same complex proprietary surfactant for rapid wetting
- Combination of 3419S and 3420 is designed to meet the MIL-PRF-81757D performance specification for aircraft batteries

Packaging

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

3419S Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Coated Thickness	µm	25
Gurley (ASTM)	Seconds	40
Shrinkage @ 90°C / 1 Hour (typical)	%	2.3 / 5.0
Coat Wet Out (max – internal method)	seconds	30

3420 Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Coated Thickness (max)	µm	229
Coat Wet Out (max – internal method)	seconds	30

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 Riying 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 6 85 05 00 29

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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