

## 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	5

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