

### Product Name & Description

Celgard® 3419S 25 µm 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 phosphate-ester surfactant for rapid wetting
- Combination of 3419S and 3420 is designed to meet the MIL-PRF-81757D performance specification for aircraft batteries

### 3419S Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Coated Thickness	µm	25.2
Gurley (ASTM)	Seconds	40
Shrinkage @ 90°C / 1 Hour (typical / max)	%	2.3 / 5.0
Coat Wet Out (max)	Seconds	30

### 3420 Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Coated Thickness (max)	µm	228.6
Coat Wet Out	Seconds	5

### Packaging

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

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Users of any substance should satisfy themselves by independent investigation that the material can be used safely. We may have described certain hazards, but we cannot guarantee that these are the only hazards that exist. Review the Product Safety Data Sheet for environmental, health and safety information related to this product.

