CELGARD Celgard[®] 2325 Trilayer Microporous Membrane

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Product Name & Description

Celgard[®] 2325 25µm Trilayer Microporous Membrane (PP/PE/PP)

Primary Applications

High Energy Lithium Battery Systems; especially safety-critical and performance-critical applications

Product Benefits

- Zero TD shrinkage reduces internal shorting
- Uniform pore structure with high chemical & thermal stability
- Medium porosity provides excellent energy performance with low self-discharge
- PP outer layer provides high temperature melt integrity, oxidation resistance
- PE inner layer provides high-speed shutdown features
- Offers exceptional safety and longevity for energy applications

Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Thickness	μm	25
Gurley (JIS)	Seconds	645
Porosity (calculated)	%	39
TD Shrinkage @ 90°C / 1 Hour (typical)	%	0
MD Shrinkage @ 90°C / 1 Hour (typical / max)	%	3.0 / 5.0
TD Tensile Strength (typical / min)	Kg/cm ²	150 / 80
MD Tensile Strength (typical / min)	Kg/cm ²	1900 / 1000
Puncture Strength (typical / min)	Grams Force (gf)	450 / 380

Packaging

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

CELGARD

Contact Information

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