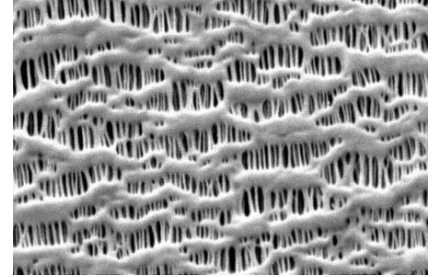


Product Name & Description

Celgard® PP2075
20µm Monolayer Microporous Membrane (PP)

Primary Applications

High Energy Lithium-Ion Battery Systems, especially performance-critical applications



SEM images for illustrative purposes only

Product Benefits

- Zero TD shrinkage reduces internal shorting
- Uniform pore structure with high chemical & thermal stability
- High porosity for excellent high-rate performance
- PP layer provides superior high temperature melt integrity compared to other polyolefin-based, uncoated separators as well as oxidation resistance
- Offers additional safety and longevity for energy applications

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
Thickness	µm	20
Gurley (JIS)	Seconds	300
Porosity (Calculated)	%	48
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	1.0 / 3.5
TD Tensile Strength (typical / min)	Kg/cm ²	152 / 100
MD Tensile Strength (typical / min)	Kg/cm ²	1990 / 1700
Puncture Strength (typical / min)	Grams Force (gf)	420 / 370

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