

# Celgard® PP2068

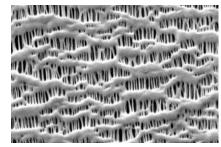
# **Monolayer Microporous Membrane**

## **Product Name & Description**

Celgard® PP2068
20µm Monolayer Microporous Membrane (PP)

## **Primary Applications**

**High Power** 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 power 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	185
Porosity (Calculated)	%	55
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	2.4 / 5.0
TD Tensile Strength (typical / min)	Kg/cm <sup>2</sup>	115 / 90
MD Tensile Strength (typical / min)	Kg/cm²	1550 / 1400
Puncture Strength (typical / min)	Grams Force (gf)	330 / 200

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