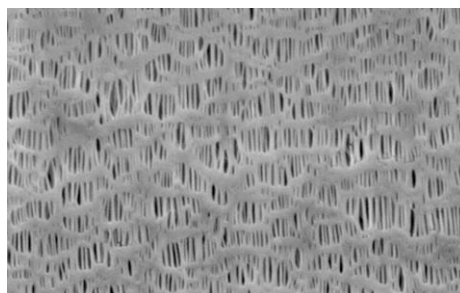


### Product Name & Description

Celgard® PP2075  
20µm Monolayer Microporous Membrane (PP)

### Primary Applications

High Energy Lithium 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 exceptional safety and longevity for energy applications

### Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Thickness	µm	20
Gurley (JIS)	Seconds	300
Porosity (calculated)	%	48
TD Shrinkage @ 90°C / 1 Hour (typical)	%	0
MD Shrinkage @ 90°C / 1 Hour (typical / max)	%	1.0 / 3.5
TD Tensile Strength (typical / min)	Kg/cm <sup>2</sup>	152 / 100
MD Tensile Strength (typical / min)	Kg/cm <sup>2</sup>	1990 / 1700
Puncture Strength (typical / min)	Grams Force (gf)	420 / 370

### Packaging

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

**United States**

Celgard, LLC  
13800 South Lakes Drive  
Charlotte, North Carolina  
28273 United States  
Toll Free (US):  
1-800-235-4273  
Phone: +1 704-588-5310  
Fax: +1 704-587-8585

**France**

Celgard Sales Office  
Daramic SAS  
BP 90149  
25 Rue de Westrich  
Sélestat Cedex  
67603 France  
Phone: +33 3 88 82 41 08  
Fax: +33 3 55 03 59 03

**China**

Sales & Technical Service  
Celgard LLC  
3201 Room, Galaxy Century  
Building A, No 3069  
South of Caitian Rd  
Futian District, Shenzhen  
518-000 PR China  
Phone: +86 755-8660 8688  
Fax: +86 755-8660 8699

**Korea**

Polypore Korea, Ltd.  
B-506 10, Baekseokgongdan  
1-ro,  
Seobuk-gu, Cheonan-si,  
Chungcheongnam-do, 31094  
Republic of South Korea  
Phone: +82 419056001  
Fax: +82 419056099

**Japan**

Polypore K.K.  
Hibiya Mitsui Tower  
1-1-2 Yurakucho,  
Chiyoda-ku, Toyko  
100-0006 Japan  
Phone: +81 3-6891-3750  
Fax: +81 3-6891-3769

[www.celgard.com](http://www.celgard.com)



**WARRANTY:** This product is to be used only by persons familiar with its use. It must be maintained within the stated limitations. The product is warranted to be free of any manufacturing defects. No other warranty is expressed or implied. Purchaser assumes all responsibility for the use and safety of this product. To the best of our knowledge, the information contained herein is accurate. However, neither CELGARD, LLC nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of this information. Final determination of the suitability of any material and whether there is any infringement of patents is the sole responsibility of the user.

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.

