

Product Name & Description

Celgard® 2320

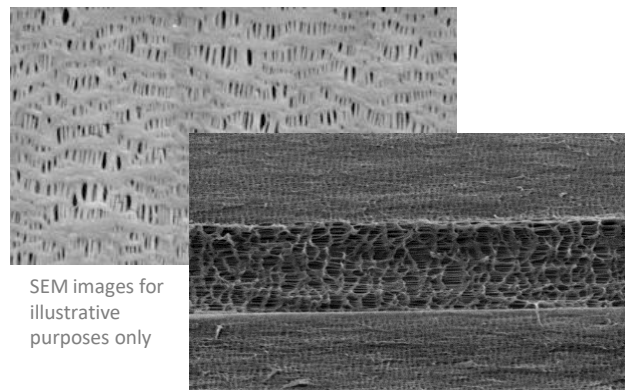
20µm Trilayer Microporous Membrane (PP/PE/PP)

Primary Applications

High Energy Lithium-Ion Battery Systems; especially those that require additional safety advantages

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



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	530
Porosity (Calculated)	%	39
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	1.5 / 5.0
TD Tensile Strength (typical / min)	Kg/cm ²	156 / 115
MD Tensile Strength (typical / min)	Kg/cm ²	2040 / 1500
Puncture Strength (typical / min)	Grams Force (gf)	400 / 360

Manufacturing Locations

United States

Headquarters, Manufacturing and R&D at Charlotte

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Manufacturing and R&D at Concord

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China

Manufacturing & Distribution

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