

Celgard® H2010 Trilayer Microporous Membrane

Product Name & Description

Celgard® H2010 20µm Trilayer Microporous Membrane (PP/PE/PP)

Primary Applications

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

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 outer layer provides high temperature melt integrity, oxidation resistance
- PE inner layer provides high-speed shutdown features
- Low electrical impedance

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	240
Porosity (Calculated)	%	46
TD Shrinkage @ 105°C / 1 Hour (typical)	%	0
MD Shrinkage @ 105°C / 1 Hour (typical / max)	%	2.0 / 6.0
TD Tensile Strength (typical / min)	Kg/cm ²	140 / 100
MD Tensile Strength (typical / min)	Kg/cm ²	1900 / 1200
Puncture Strength (typical / min)	Grams Force (gf)	385 / 320

At the Center of Membrane Innovation



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