

Ion Power has developed a unique design and manufacturing process<sup>†</sup> for polymer electrolyte membrane electrode assemblies (MEAs) used in hydrogen fuel cell applications. Utilizing over 40 years of experience in working with Dupont's NAFION<sup>®</sup> membrane, our process delivers low resistance, durable and consistently high performing MEAs for PEM fuel cell applications.

Ion Power's line of membrane electrode assemblies offers the following advantages.

- **HIGH POWER DENSITY**

Ultra-thin (<30 micron) unreinforced NAFION<sup>®</sup> containing membranes result in high power density, low resistance structures.

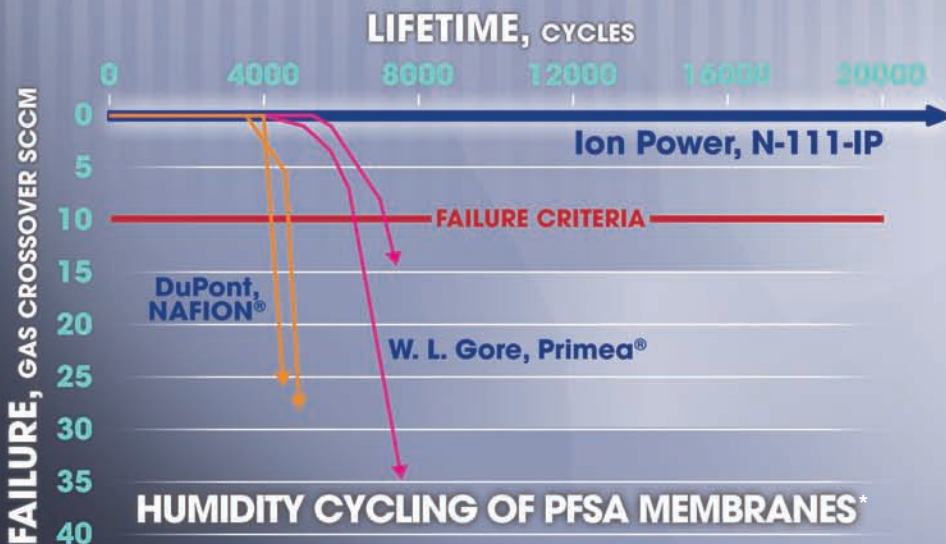
- **MOST COST EFFECTIVE**

Membrane where you need it, not where you don't.

- **MOST DURABLE**

N-111-IP tested by General Motors to be the longest lasting commercially available fuel cell membrane.

Ion Power's MEA manufacturing line utilizes state-of-the-art<sup>†</sup> continuous roll-roll coating operations that are set up to handle the prototype and high-volume production requirements of today's growing PEM fuel cell industry. So whether you need one or thousands of catalyst coated membranes for hydrogen fuel cells or water electrolyzers, contact Ion Power to discover how your application can "Turn On With Ion Power Catalyzed Membranes."



Independent testing proves  
ION POWER is  
**The Leader in  
Membrane Lifetime**

Homogeneous Membranes

- DuPont<sup>™</sup> NR-111, -25µm, 1100EW NAFION<sup>®</sup>
- Ion Power<sup>™</sup> N-111-IP, -25µm

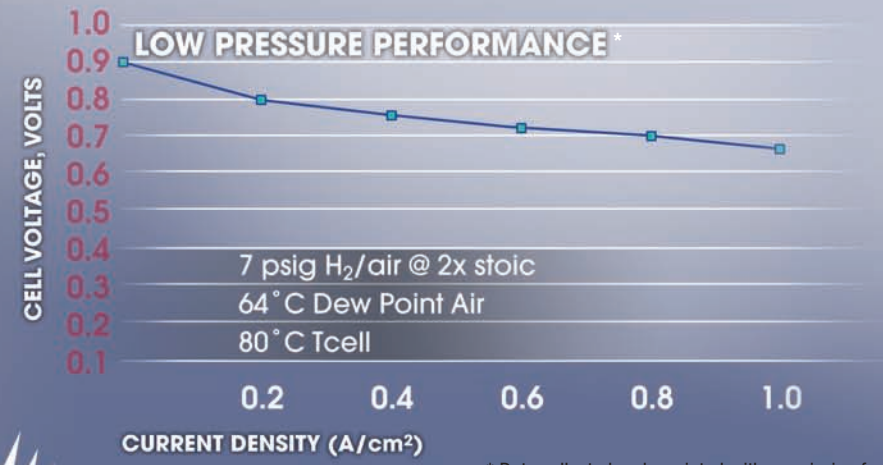
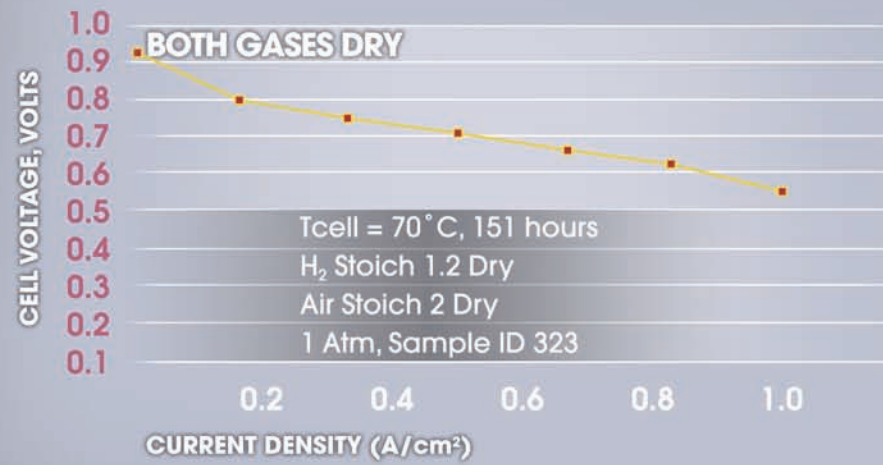
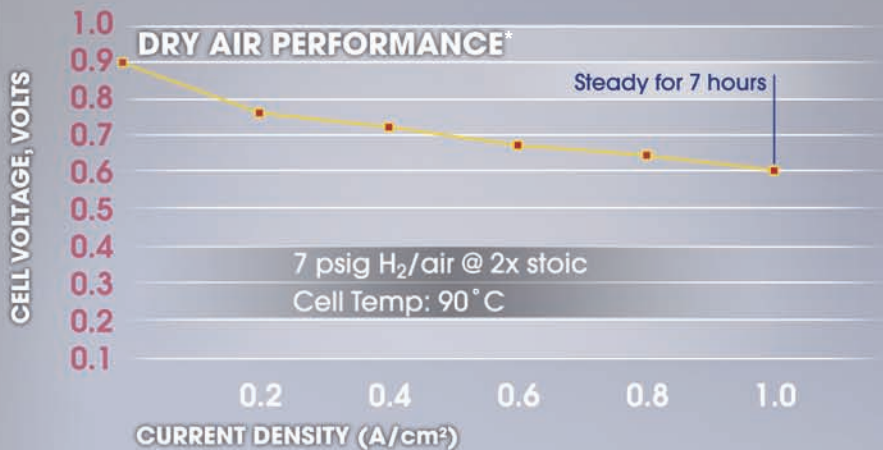
Composite Membranes

- Gore<sup>™</sup> Primea<sup>®</sup> Series 57

Humidity cycling accelerates mechanical failures in the absence of electrochemical degradation

Even under dry air and low pressure conditions Ion Power's catalyst coated membrane's power density remains high.

In addition to the design and manufacturing of catalyst coated membranes, Ion Power is a worldwide distributor of Dupont's NAFION® in film, pellet, and solution forms.



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## TURN ON WITH ION POWER CATALYZED MEMBRANES

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