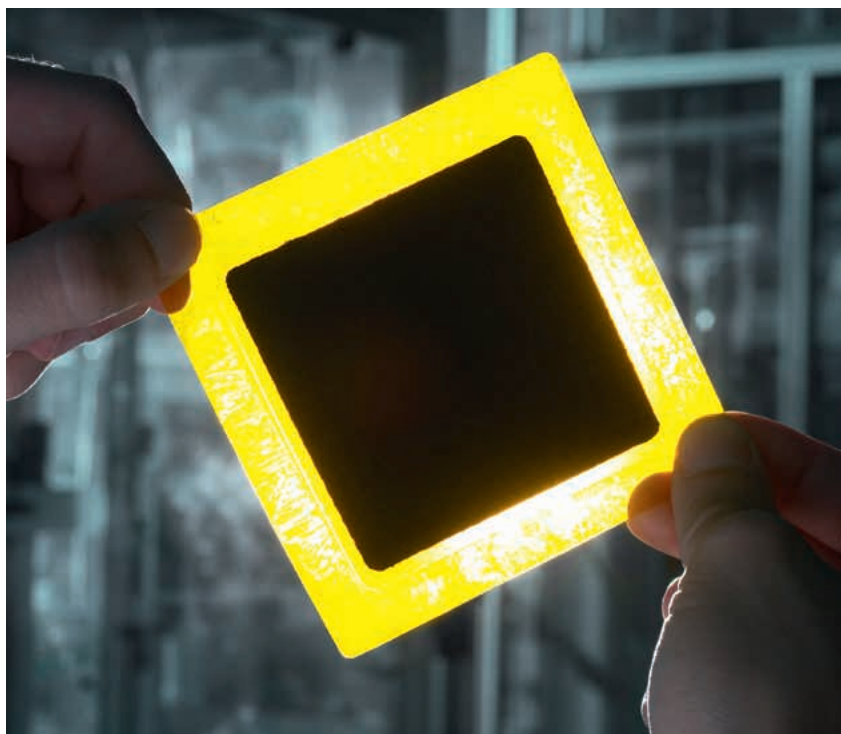


Celtec®-P membrane electrode assemblies for high-temperature PEM fuel cells



Celtec®-P membrane electrode assemblies

BASF offers a membrane electrode assembly (MEA) for high-temperature PEM fuel cells. This MEA operates at temperatures between 120 and 180 °C and can tolerate large concentrations of carbon monoxide as well as being able to run independently of humidification. This technology enables fuel cell systems to become simpler and more cost effective.

MEA designs

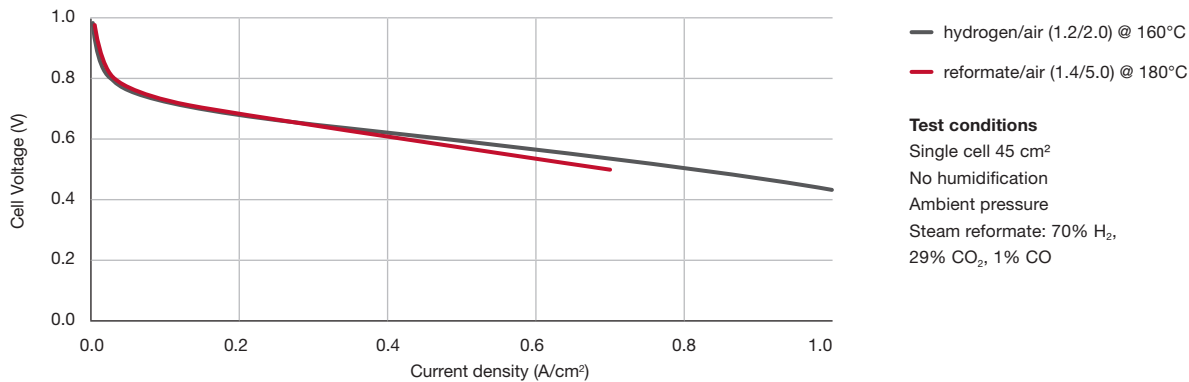
BASF offers standard MEA designs as well as tailored, customized MEAs:

- ◆ Celtec®-P MEA 45 cm²
- ◆ Celtec®-P MEA 165 cm²
- ◆ Celtec®-P MEA 300 cm²
- ◆ Celtec®-P MEA 605 cm²

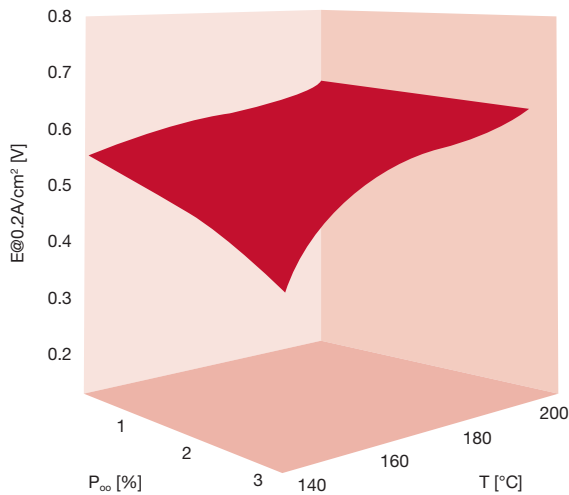
Applications and properties of Celtec®-P MEA

Applications	Why Celtec?
Backup power	Robustness, reformat gas
Combined heat and power	Reformat gas, life time, efficiency
Marine	Robustness, simplified cooling, reformat gas
Aircraft	High power, resilience, simplified cooling, no water management
Battery range extender	Robustness, reformat gas, simplified cooling, no water management

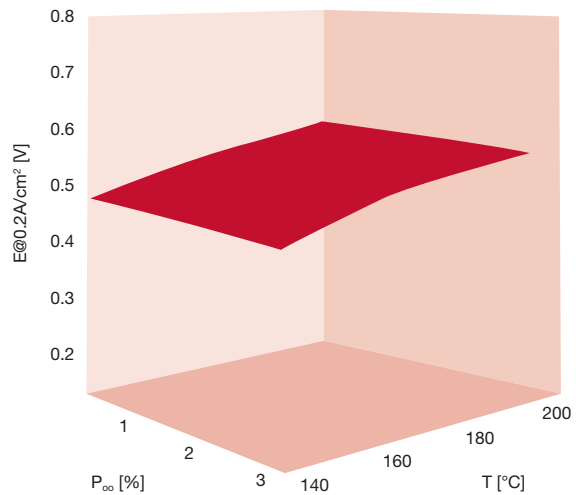
Performance



High CO tolerance enables simplified purification



Performance is robust against changes in humidification



Want to know more? Please contact us:

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