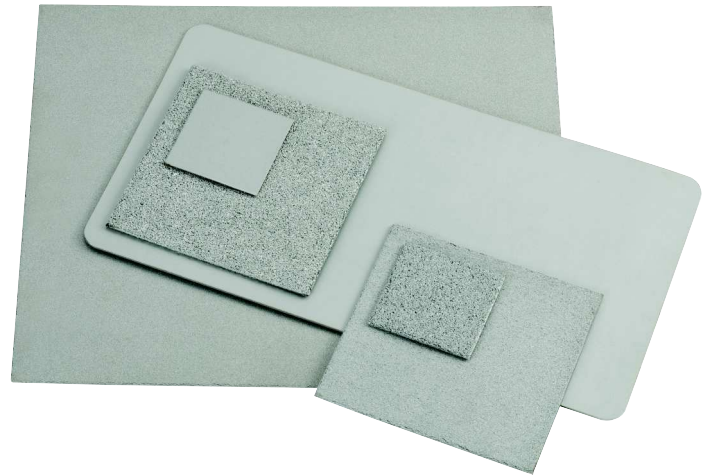


MOTT ALTERNATIVE ENERGY SERIES GAS DIFFUSION LAYERS

mott
MISSION CRITICAL PRECISION

DESCRIPTION

Mott porous metal gas diffusion layers are the leading choice for high performance electrolyzer and fuel cell applications. The uniform porosity, strength, and corrosion resistance provides superior performance over other diffusion layer products. Mott substrates are available in a variety of alloys to support a full range of fuel cell operating temperatures, and can be coated with surface treatments or catalyst layers to enhance performance.



FEATURES

- » Uniform porosity for even distribution of gas flow
- » Broad selection of corrosion resistant materials to support all operating temperatures
- » Controllable porosity to provide the best balance of gas diffusion and water transport
- » Low thickness variation to ensure full contact with mating components for large multi-cell stacks
- » Ultra-thin down to 0.25 mm at custom porosity

CUSTOMIZATION

We customize products around the following specifications to meet the exacting demands on your application.

- » Alloy
- » Micron pore size
- » Operating temperature
- » Dimensions and tolerances
- » Hardware and fittings

BENEFITS

- » High strength for high differential pressure applications
- » Ductile and machinable to allow for custom features
- » Electrically conductive
- » Maintains porosity under very high compressive loads
- » Coatables and pateable to provide for strong catalyst substrate/support

ENGAGE WITH US

When it comes to custom designs, our expertise is unmatched. With nearly 60 years of experience in porous metal, let us design a component that is optimal and manufacturable.

For a quote, email us at info@mottcorp.com or call 860-747-6333 and ask for one of our gas diffusion layer specialists.

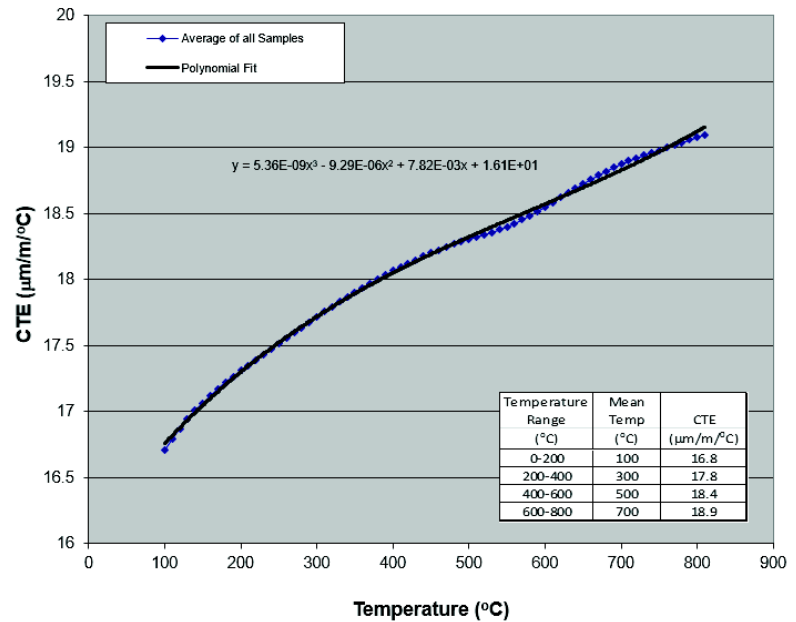
SPECIFICATIONS

Available Materials	316L SS, Titanium, Nickel 200, 430SS, and various other corrosion resistant alloys
Porosity	16% to 40% open
Thickness Variation	Typically +/- 0.001" (0.025 mm)* *Custom development options available
Dimension	Dependent of configuration and manufacturing method selected



THERMAL EXPANSION

Thermal expansion for Mott porous materials is equivalent to solid materials of the same composition



PRESSURE DROP - 10 MEDIA GRADE

