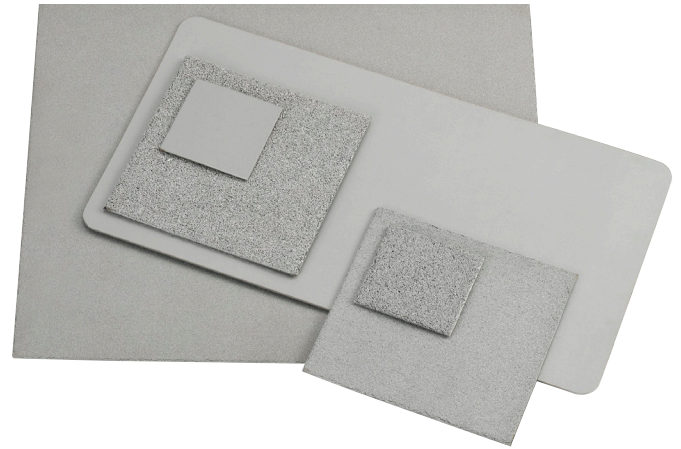


# FUEL CELL SEPARATION MEMBRANES, CATALYST SUPPORT STRUCTURES & BATTERY CATHODE/ANODE MATERIALS

**mott**  
MISSION CRITICAL PRECISION

## SUPERIOR CELL PERFORMANCE

- Lowest ohmic, activation and mass transport resistance/losses
- Options of alloys such as Ti, Ni, or completely custom alloys
- Thinnest sheet available down to 0.010" thickness
- Open microstructures up to 60% porosity



## SUPERIOR QUALITY

- Quality manufacturing that eliminates significant part-to-part variation and visual defects that result in product rejection
- Eliminate inspection and quality steps in your process by relying on Mott quality guarantees

## SUPERIOR RELIABILITY

- Superior raw materials used, resulting in strong structure that can withstand on/off cycling, quick startups, and last for years under intense usage
- Proprietary manufacturing processes, resulting in more uniform porosity and sheet strength



Porous-to-Solid 3D Printing Available

## PROTOTYPE TO HIGH VOLUME MANUFACTURING

- Preliminary concept design and modeling
- Small quantity performance trials
- Scale up to 100K's+ manufacturing

## 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 for your application.

Contact us directly at [info@mottcorp.com](mailto:info@mottcorp.com) or call 860-747-6333

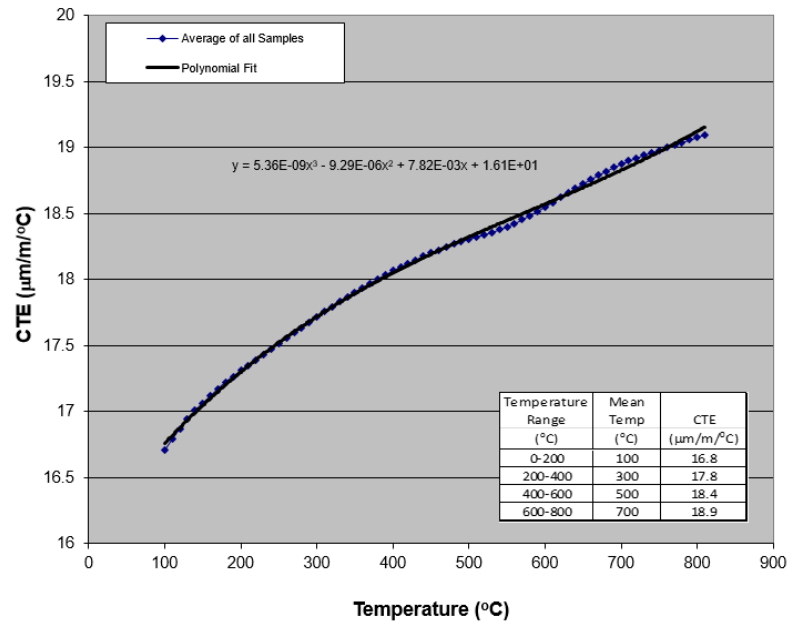
# SPECIFICATIONS

Available Materials	316L SS, Titanium, Nickel 200, 430SS, and various other corrosion resistant alloys
Porosity	16% to 60% open
Thickness Variation	Typically +/- 0.001" (0.025 mm)* *Custom development options available
Dimensions	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

