

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

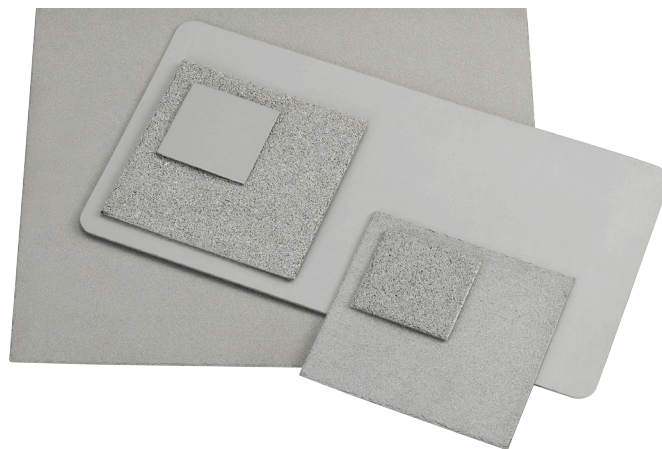
- Quality manufacturing that eliminates significant part-to-part variation and visual defects that result in product rejection
- Eliminate inspection and quality steps in your process by relying on Mott quality guarantees

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

PROTOTYPE TO HIGH VOLUME MANUFACTURING

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



Porous-to-Solid 3D Printing Available

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 or call 860-747-6333

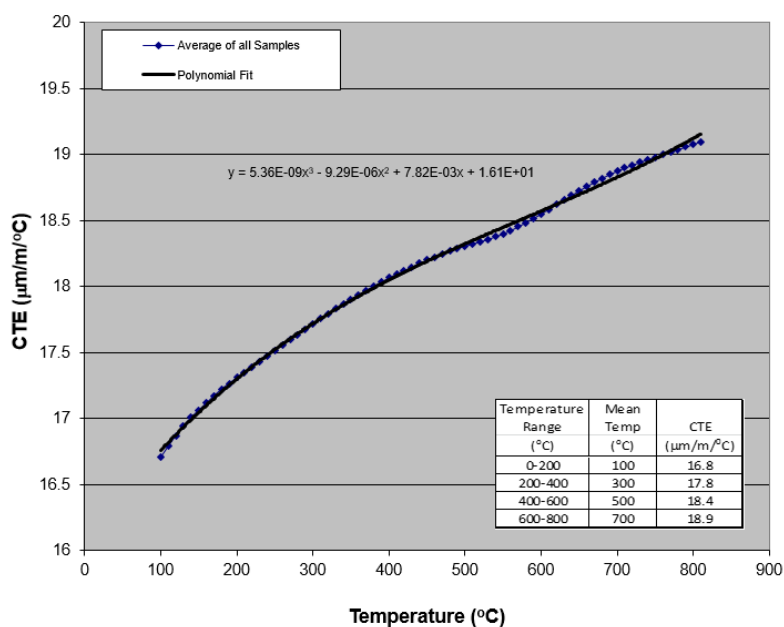
SPECIFICATIONS

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

