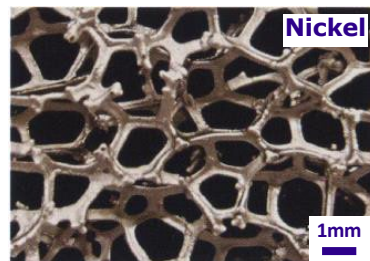


for AEM ELECTROLYSER

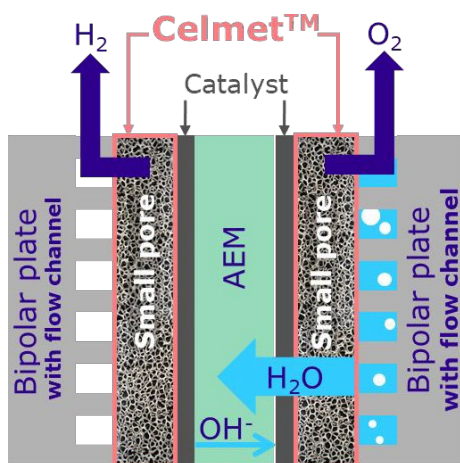
CELMET compared to Felt

- | 30% smoother surface
- | 85% Lower Pressure Loss
- | Lower Overvoltage
- | Higher Hydrogen Generation Rate



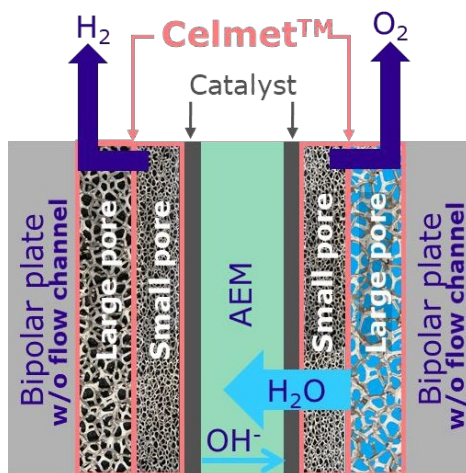
Type A

Celmet™ for PTL of AEM
(Bipolar plate **with** flow channel)

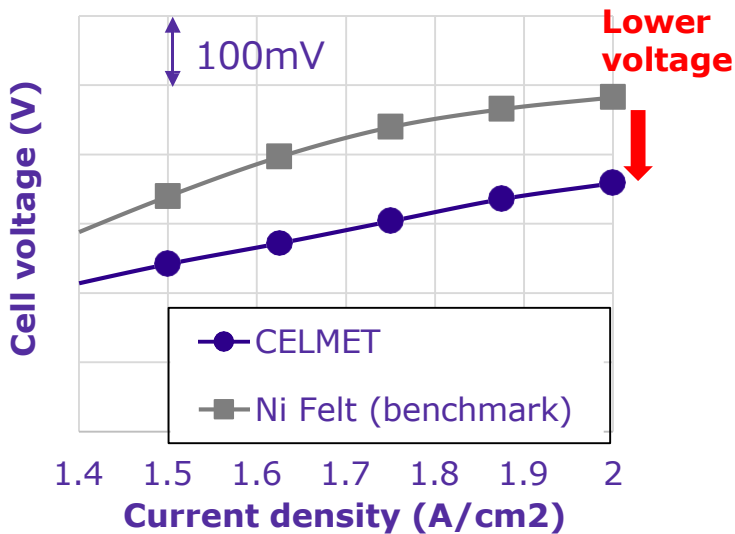


Type B

Celmet™ for PTL of AEM
(Bipolar plate w/o flow channel)



Performance for AEM electrolyzer



	Ni Felt (B/M)	CELMET
Roughness <Ra>	18 μm	13 μm
Load Capacity**	3.7 MPa	8 MPa
Pressure loss @0.5L/min	230 Pa	29 Pa

**A short circuit load is applied to a 50 μm PTFE sheet.

*CELMET is used on Type B's anode side in this evaluation.

For further information:

• Contact celmet-sales-sml@list.sei.jp