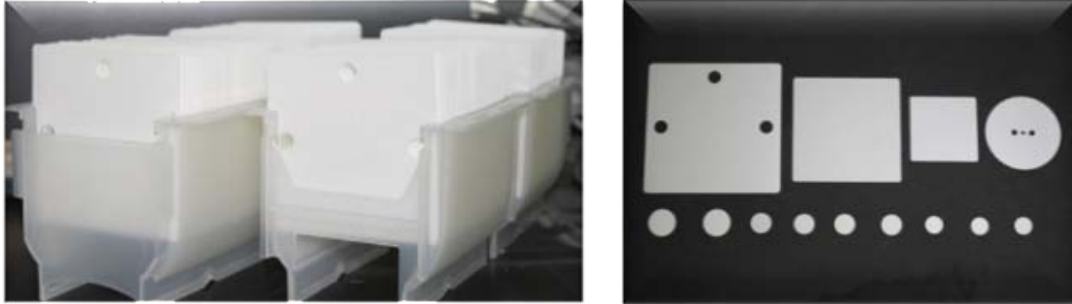


## 8YSZ and SSZ Electrolyte Sheets



### Features:

- High Ionic Conductivity
- High Mechanical Strength
- High Planarity
- Customized Size & Shape

### SEM Pictures

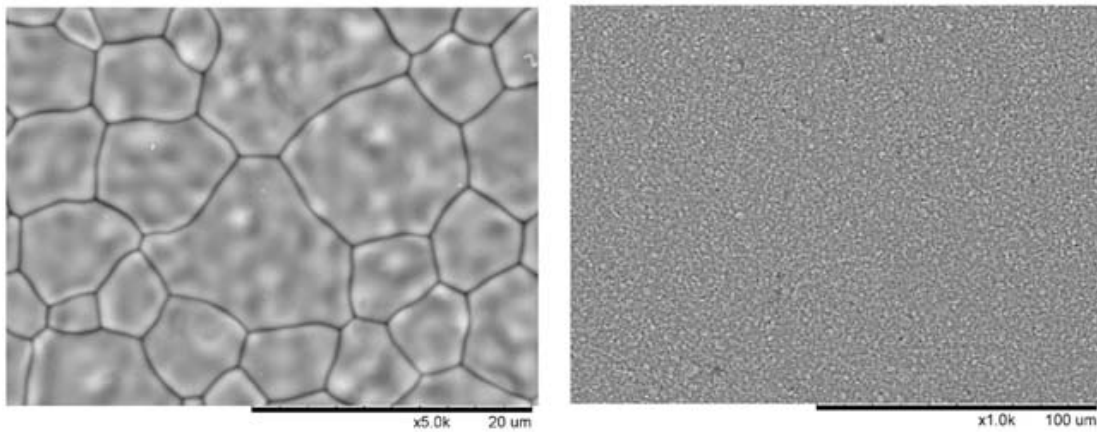


Fig. 1~2 The surface and fraction of 8YSZ electrolyte

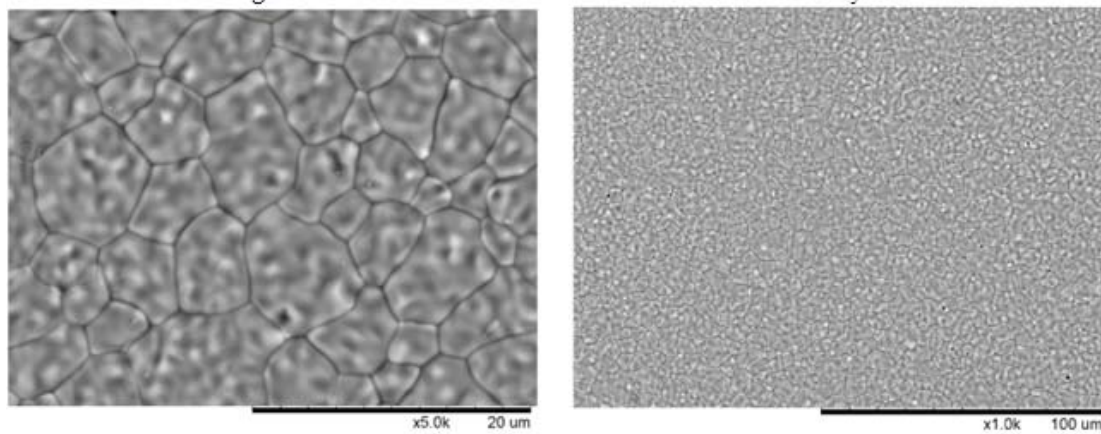


Fig. 3~4 The surface and fraction of SSZ electrolyte

**Technical Data:**

Product Type	8YSZ sheet	SSZ sheet
Content (mol.%)	$(Y_2O_3)_{0.08}(ZrO_2)_{0.92}$	$(Sc_2O_3)_{0.1}(CeO_2)_{0.01}(ZrO_2)_{0.89}$
Crystal Structure	Cubic Phase	Bicontinuous Cubic Phase
Bending Strength	$\geq 300\text{MPa}$	$\geq 400\text{MPa}$
Thickness	$200\pm 10\mu\text{m}$	$200\pm 10\mu\text{m}$
Conductivity @800°C	$>0.06\text{ S/cm}$	$\geq 0.1\text{ S/cm}$
Size	Button to 10cm×10cm	Button to 10cm×10cm

**Price List:**

Size	8YSZ sheet	SSZ sheet
5cm×5cm	144.00 RMB	252.00 RMB
10cm×10cm	216.00 RMB	360.00 RMB

\*Sheet size can be customized. The minimum order amount is 50 sheets.

**Contact:**

Ms. Zhang Yi, Sales Manager, Email:yzhang@sofcman.com, Phone:+86-574-86688219,

Mobile:+86-15306692171

Dr. Wang Weiguo, Director, Email:wgwang@sofcman.com, Phone:+86-574-87911363,

Mobile:+86-13867802227