

Strategic Polymer Sciences, Inc.

Providing Innovative Electro-Active Polymer Device Solutions



- **SPS can deliver film or finished capacitors to meet your application requirements**

- Film thickness from 2 to 10 μ m
- Existing capacitor designs from 10-120 μ F
- Custom film and capacitor design

- **High packaged energy and capacitive densities**

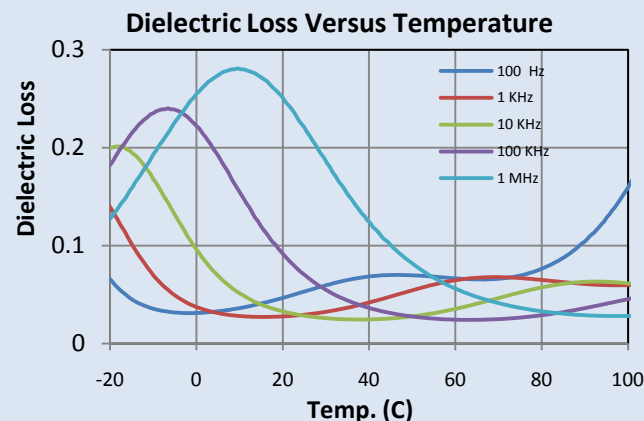
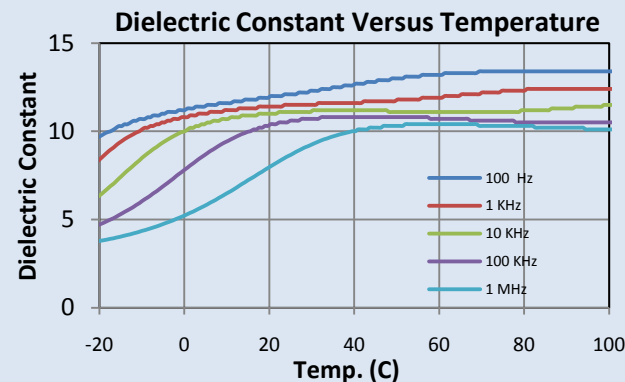
- 3-5 J/cm³ @ >1000 volts
- Up to 8 J/cm³ possible

- **Target applications**

- Pulsed power
- DC Link
- High energy
- Size reduction

SPS High K Film Properties	
Dielectric Constant	11 (20C and 1 KHz)
Dielectric Loss	2.5% (20C and 1 KHz)
Operating Temp.	-20-85C (low duty cycle)

Available High K Films		
Thickness (μ m)	Length (m)	Width (mm)
2.0	>1,000	650
3.0	>1,000	650
5.0	>2,000	650
7.0	>2,000	650



SPS is already working on next generation film solutions

- lower loss
- higher temperature
- faster discharge

inquiries

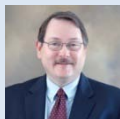
are always welcome

Contact Information

We provide you with direct contact to the innovators creating our technology. All of our scientists and staff welcome the opportunity to answer your questions, hear about your feedback, and speak with you about our latest developments.

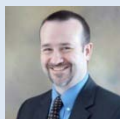
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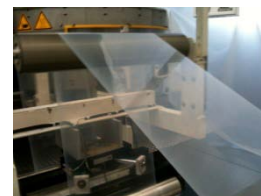
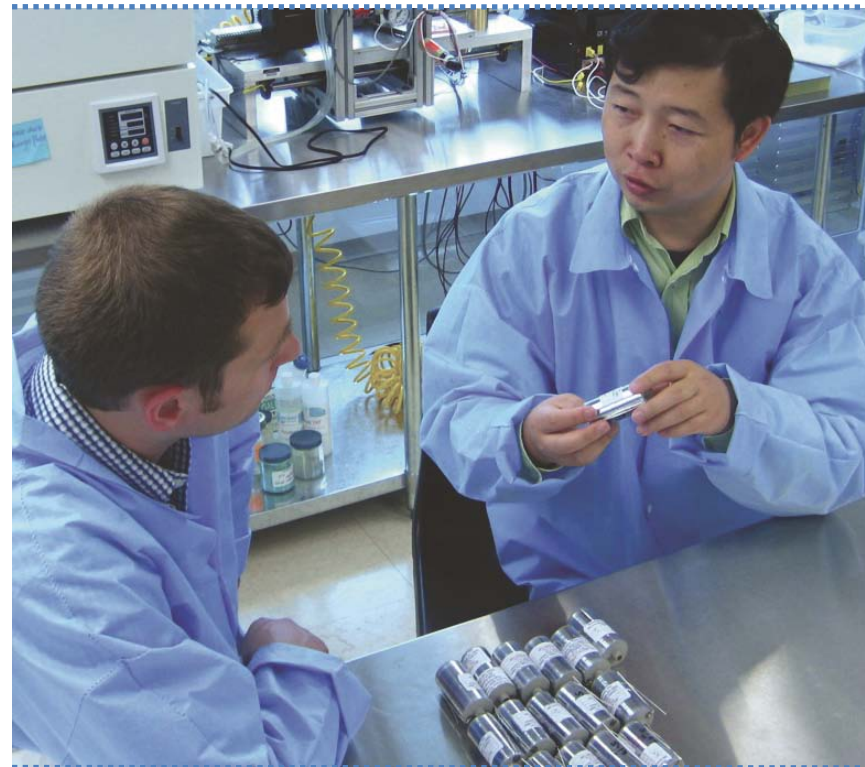
OUR LOCATION

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We look forward to hearing from you!



High Energy Density Film and Capacitors for Pulsed Power Applications



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