

Strategic Polymer Sciences, Inc.

Providing Innovative Electro-Active Polymer Device Solutions



EAP Films and Actuators with:

- Large displacement - 100x piezoceramics
- High Force - 100x elastomers
- Lower operating voltage
- Film thickness down to 3 microns
- > 2.5% strain at 100 volts/micron
- Very low transverse strain

EAP Films and Custom Actuators

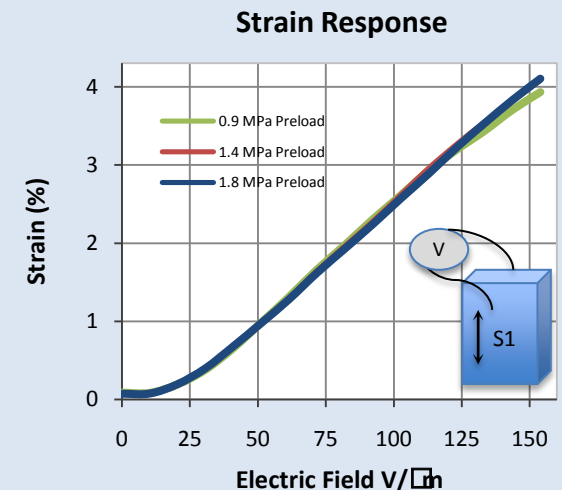
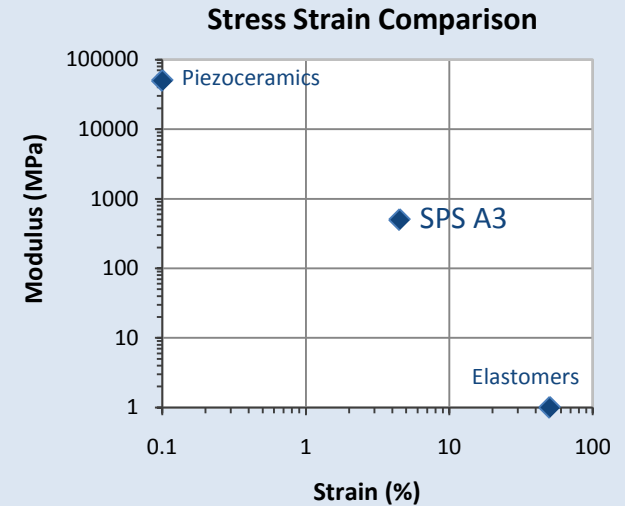
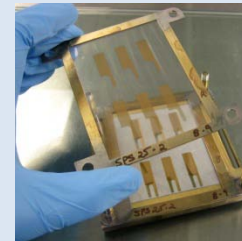
- EAP film for prototype development
- Custom multilayer actuator designs for your applications
- Prototype fabrication
- Application development

Broad Application Space

- Bio-Mimetic Designs
- Minimally Invasive Surgical Tools
- Personal Electronics
- Military
- Deformable Mirrors

SPS A3 EAP Film Properties	
Strain	2.5% (100V/micron)
Young's Modulus	700 MPa
Dielectric Constant	50 (20C and 1 KHz)
Dielectric Loss	5% (20C and 1 KHz)
Operating Temperature	0-50C

Oriented SPS A3 EAP Film	
Thickness	3-10 microns
Length	15 cm
Width	10 cm
Longer films available on request	
Large strain (S1) along length direction	



inquiries

are always welcome



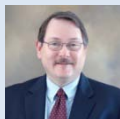
High Strain Electro-Active Polymer Films and Actuators

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.

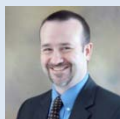
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CAPACITORS

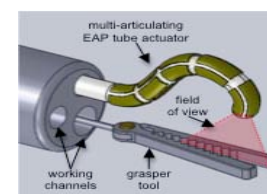
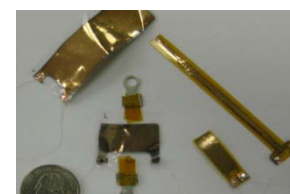
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We look forward to hearing from you!



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