

# Customized Piezo PVDF & PVDF-TrFE Sensors and Transducers

PolyK produces customized sensors from our high-quality PVDF and P(VDF-TrFE) piezo films. We execute your orders under strict non-disclosure agreements to protect your IP. Examples: pressure sensors to monitor personal health from heartbeat, respiration, or sleeping, vibration sensors, Bauer shock gauge, actuators (e.g., speakers, haptics), ultrasound transducers, etc.

- For lab-scale evaluation, copper or gold electrodes by vacuum magnetron sputtering with size up to 500 mm diameter (350 mm square). Electrical connectors can be added. Typical quantity 10-100.
- For industrial applications, screen printed silver electrode (3-5  $\mu\text{m}$ ) will be used, with size up to 1000 mm x 1000 mm, typically 28-200  $\mu\text{m}$  piezo PVDF film.
- Solderable pins, crimped pins, rivets for electrical connections
- Logo printing, UV cured insulation printing, or Mylar tape lamination.
- Die cutting or laser cutting



**Vacuum Sputtering**

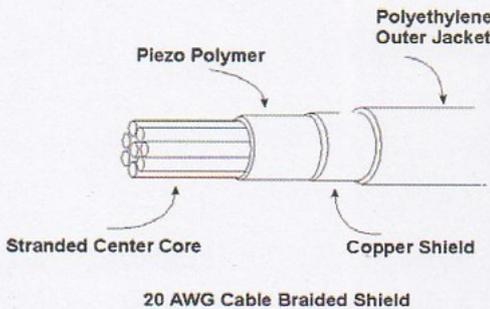


**Short lead time and low minimal order quantity.**



<https://piezopvdf.com/piezo-pvdf-sensors/>

## PVDF Piezo Coaxial Cable: Flexible



- Outside diameter 1.5 mm or 2.6 mm. Piezo PVDF wrapped between center 20/26 AWG conductor and shielding copper mesh.
- Robust design with high mechanical strength and water resistance.
- Self-shielded from EMI
- For security (intrusion), music pickup, sleeping monitor, etc.

**In stock: Spool up to 500 m long**