Pre-Stressed Polystyrene (PS) Sheet (ShrinklyDink™)

- Razorblade dipped in acetone etches lines in PS sheets
- Au coating at 30nm
- Constrained ends form uniaxial nano-scale wrinkles upon shrinkage
- Selectively Crazed by Acetone-Etching
- Treated with acetone to generate random 3D topography
- Shrink: Heat to 150-160°C
- No pretreatment
- Au coating at 15 or 30nm
- Crazed
- Wrinkles