

cartilage tensile test:

1. 48 yr old specimen.
2. Test set includes use of PBS, longer rest times between tests (sample kept in fridge during rest) and starting preconditioning and stress relaxation 300 microns off of the 10g find contact position to capture data increase from the instant any contact is established. uniformly thick sample was prepared using vibratome.
3. Thickness measured only once as taking the small sample in and out of the clamps when the ends were glued to clamps would damage the sample. All other steps repeated. (including zero position, load cell calibration etc).
4. 1hz camera freq for pre conditioning, 10 hz for all else.
5. Sample taken from deeper layer (800 microns and further, superficial layer was non uniform and unusable).
6. left upper clamp piece fixed. moved bath out but kept all the hardware fixed in bath. moved to zero before turning off software.

Thickness: 0.5 mm

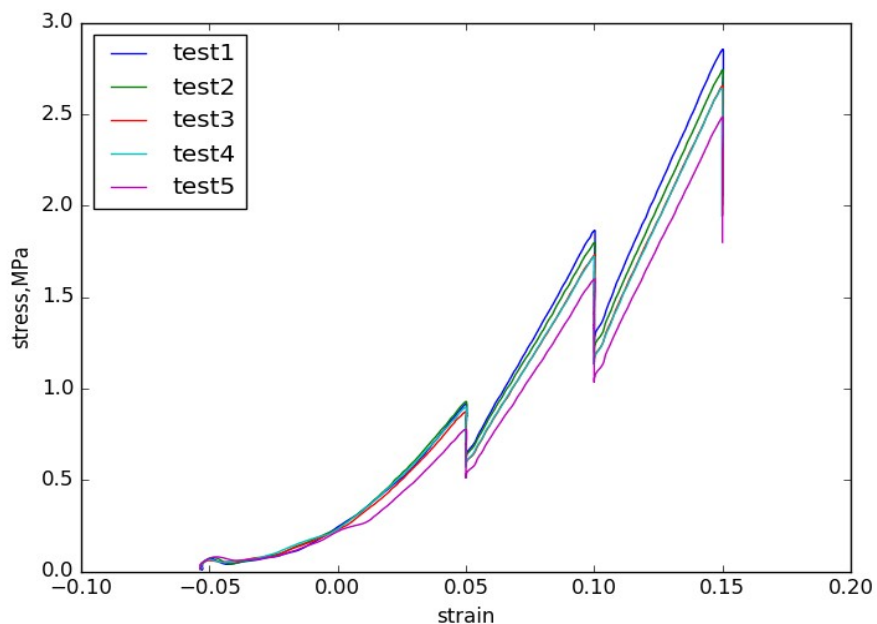
Day 1: oks00TR6-FMC-LPuX-01-01: 5.6235, 5.6760.

Day 2: oks00TR6-FMC-LPX-01-02: 5.5735, 5.5980.

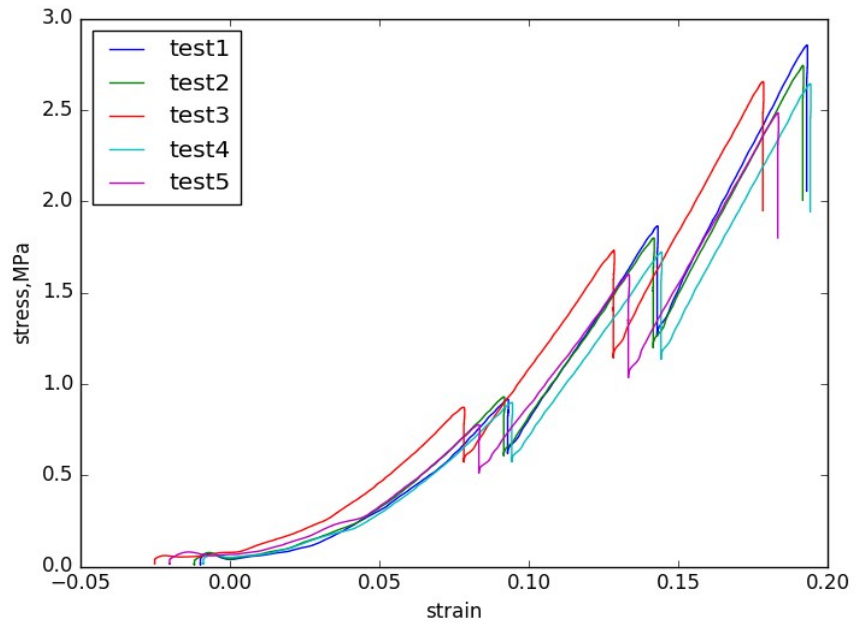
Day 3: oks00TR6-FMC-LPuX-01-03: 5.5895, 5.6075.

Day 4: oks00TR6-FMC-LPuX-01-04: 5.5995, 5.6255.

Day 5: oks00TR6-FMC-LPuX-01-05: 5.5785, 5.5995.



Using 10g position as initial length



Actual zero force-displacement position as initial length