

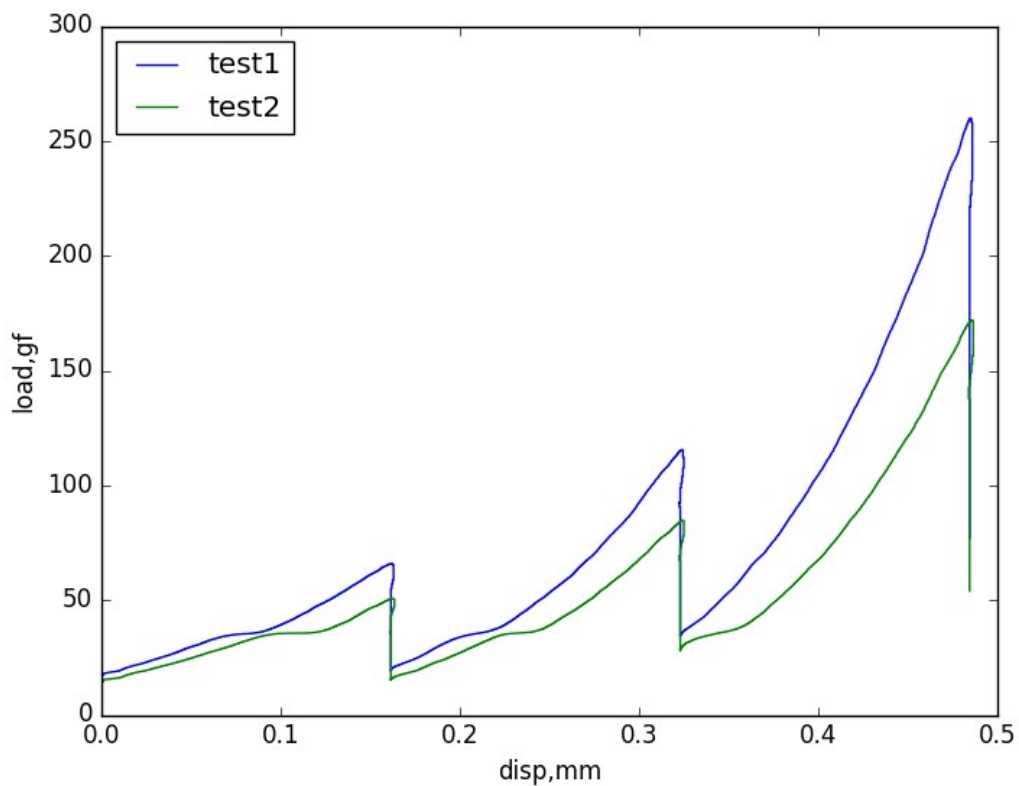
Meniscus unconfined compression test

1. 4 hours between tests
2. 1000 preconditioning cycles at 5-15% strain
3. Protocol: find contact->preconditioning -> find contact->stress relaxation
4. Thickness: 3.234 mm

oks00TR3-MNS-CXXX-01-01 positions:46.225 (for preconditioning), 46.2175 (for stress relaxation)

oks00TR3-MNS-CXXX-01-02 positions: 46.8535(for preconditioning), 47.0400 (for stress relaxation)

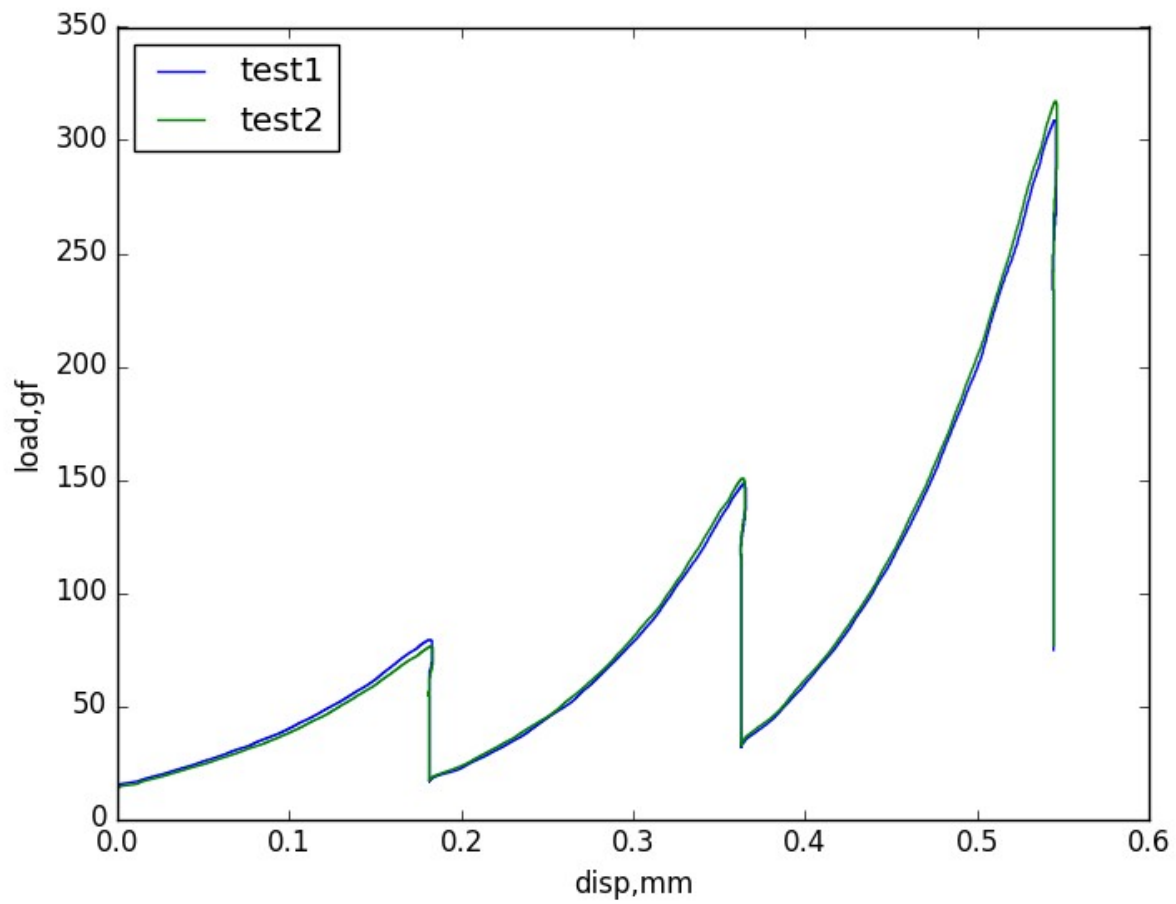
Note: sample kept in fridge in saline after the two tests. Tested again next day (2 tests).



meniscus unconfined compression tests conducted next day

1. 4 hours between tests.
2. 1000 preconditioning cycles at 5-15% strain.
3. Protocol: find contact->preconditioning->find contact->stress relaxation.
4. Thickness: 3.63 mm

oks00TR3-MNS-CXXX-01-03 positions: 75.7350 (for preconditioning), 75.9305 (for stress relaxation)
oks00TR3-MNS-CXXX-01-04 positions: 75.6930 (for preconditioning), 75.9240 (for stress relaxation)



Note: Sample swelled in saline after the first test (oks00TR3-MNS-CXXX-01-01). As per day 1 tests, the sample swelled and became less stiff. This is in agreement with a recent study by Andrews et al (2015)¹. The study was however focused on confined compression tests.

1. Andrew SH, Rattner JB, Shrive NG, Ronsky JL. *'Swelling significantly affects the material properties of the menisci in compression.'* J Biomech 2015 Jun 1;1485-9.