**Mechanical Properties**

1. Prepare rectangular film samples (70mm x 20mm).
2. Switch on the Instron and log into the PC.
3. Open the test TENSILE TEST FOR EDIBLE FILMS and perform a tensile test of the sample until the breaking point (5 replicates per formulation).
4. Place the sample in between the grips following the setting below.
5. Remember to “zero” the displacement before starting the test.
6. Save all results, including raw data and report.

20 mm

70 mm

10 mm

50 mm

1. Use your raw data to calculate: Young Modules, Tensile Strength (TS) , Elongation at Break (E, %). The young's modulus can be calculated as the slope in the linear elastic region (0–5% of strain). Cross-sectional area must be in m2.



