

## MSE 227 LAB – Tensile Machine

Click on **DATUM** shortcut on the Desktop (wait for program to finish loading)

Click on Template for:

- MSE 227 Aluminum or Steel sample - testing rate will be 0.2 inch/minute
- MSE 227 Polymer sample - testing rate will be 2.0 inch/minute

Click on **SAMPLE INFORMATION** tab:

Enter

- Gage length
- Width
- Thickness

(Make sure to ENTER the information, so that it calculates the Area correctly)

The **CONTROL SEGMENT** tab shows the testing rate for the given set up.

Tighten the grips on the sample; you can see the force you are applying on the computer screen.

You want to be sure the grips are secure (hopefully with no more than 5lb force preload).

Click on **TEST** when ready to begin testing.

Make sure to record test number, so you can find your data.

Click on **REPORT** to Export your file.

To retrieve data go to:

Computer → Local disk (C) → Datum 5 → DFW → ExpPlots