Modeling and Simulation

* Concern about the negative pressure to drag flow ratio.
* Try changing the compression ratio to a higher value (but the screw we want to order has a set compression ratio of 3:1). We may want to try looking at other screws (with higher compression ratios; if we can find them) if that fixes it.
* Our drag flow should be about 70% of our max pressure. Right now we are at like 60%.
* Our pressures are really low, because PET has a really low melt viscosity. This means we could push a lot more PET through if we had a higher compression ratio.
* The 3:1 compression ratio screw is affordable; realistically even if a higher compression ratio yields better results, we may not be able to buy a different screw.
* Our current results may not be fully optimized, but they should work despite the negative pressure to drag flow ratio.
* Try both higher and lower compression ratios in NEXTRUCAD to see the results, add to the report.
* Run NEXTRUCAD with fresh PET values too

DSC

* Could not interpret the irregular peaks around 100 degrees.
* Rerun DSC with fresh and regrind PET.

EX2 Disassembly

* We can clean out the EX2 with low viscosity, low grade polymer used to purge out old polymer. This will enable us to run the EX2 with our regrind.