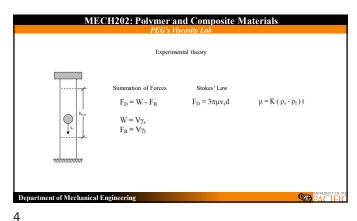
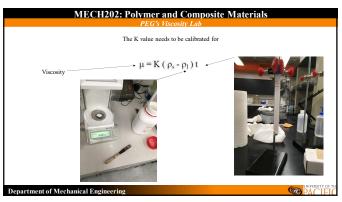


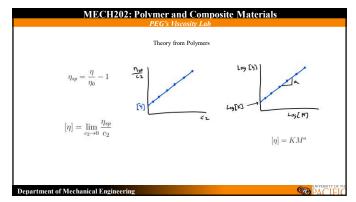


MECH202: Polymer and Composite Materials Lab Objectives - Test for the viscosities of PEG at different molecular - Graph the intrinsic viscosity for each molecular weight vs is molecular weight - Find the alpha value of the solution and check tabulated values to see if it is correct Department of Mechanical Engineering PACIFI



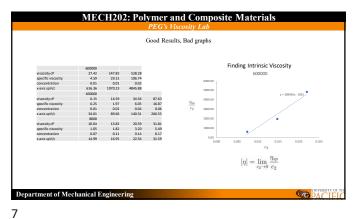
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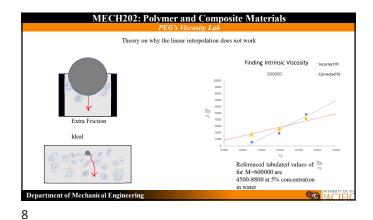


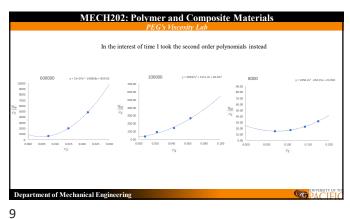


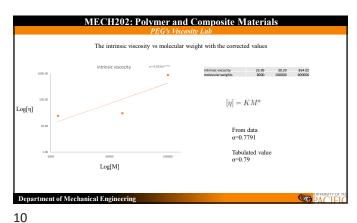
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MECH202: Polymer and Composite Materials PEG's Viscosity Lab	
Take away from this lab	
-It is possible to find the viscosities if the proper calibration fluid is used for the different viscosities measure in the viscometers.	
 -The calculated alpha value is very reasonable making this a viable method for testing viscosities. 	
-It is cheap and affordable compared to other industrial methods.	
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MECH202: Polymer and Composite Materials Acknowledgements 1. Website where the viscosities are found https://www.sigmaaldrich.com/catalog/product/aldrich/181986?lang=en®ion=US 2. Website for the tabulated values of ethylene glycol 3. Dr. Steimel 4. Dr. Saviz Department of Mechanical Engineering

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