

Tuesday 11.10. 2022

1 Day – Basics of Rheology I. part

8:30 – 9:00	Registration
9:00 – 9:30	Anton Paar word
9:30– 10:30	Introduction Rheology and Viscosity test methods: From empirical to absolute measurements; Definitions of shear stress, shear rate, viscosity. Rotational tests and their application types of flow behavior
10:30 – 10:45	Short Break
10:45 – 12:30	Types of flow behavior, thixotropy, temperature dependency, Introduction to RheoCompass
12:30 – 13:30	Lunch break (meal included)
13:30 – 15:00	Continuation of temperature dependency and avoiding measurement errors
15:00 – 15:15	Short Break
15:15 – 16:30	Problem solving with rheometer
16:30	End

Wednesday 12. 10. 2022

2 Day – Basics of Rheology II. Part

9:00– 10:30	Introduction visco-elastic behavior; Definition of deformation; shear moduli, ideal elastic behavior; Introduction to oscillatory tests
10:30 – 10:45	Short Break
10:45 – 12:30	Oscillatory measurement and their applications, amplitude sweep; Oscillatory measurements and their applications, frequency sweep
12:30 – 13:30	Lunch break (meal included)
13:30 – 15:00	Time – dependent visco - elastic behavior: recovery, gelling, curing temperature; Dependent visco-elastic behavior: DMTA, gelling, curing, raman
15:00 – 15:15	Short Break
15:15 – 16:30	Problem solving with rheometer
16:30	End