



Training Program

Day	Hourly	planned activities
Day 1	8:30 a.m. - 10 :00 a. m.	<ul style="list-style-type: none"> Welcome and Introduction of Participants Introduction of training (Aims and objectives)
	10:00 a.m. -10:30 a.m.	Coffee break
	10:30 a.m. -12:00 a.m.	<ul style="list-style-type: none"> Reminder about the structure of polymers Background on the viscoelastic properties of polymers
	12 :00 a.m. -1:30 p.m.	Lunch
	1:30 p.m. -3:00p.m.	<ul style="list-style-type: none"> Study of the viscoelastic behavior of polymers Understanding the apparent mechanical properties of polymers
	3:00-3:30	Coffee break
	3:30- 5:00	<ul style="list-style-type: none"> Different modes of mechanical stress Definition of physical parameters required to study the viscoelastic properties of polymers
Day 2	8:30 a.m. - 10 :00 a. m.	<ul style="list-style-type: none"> Summary and overview on the activities of Day 1 - Feedback Creep Experiment, Relaxation Experiment.
	10:00 a.m. -10:30 a.m.	Coffee break
	10:30 a.m. -12:00 a.m.	<ul style="list-style-type: none"> Practical understanding of the difference Creep experiments and relaxation experiments Prediction of the mechanical behavior of polymer submitted to a succession of mechanical solicitation
	12 :00 a.m. -1:30 p.m.	Lunch
	1:30 p.m. -3:00p.m.	<ul style="list-style-type: none"> Superposition of Boltzmann Principle Workshop on the practical use of the Boltzmann superposition principle
	3:00-3:30	Coffee break
	3:30- 5:00	<ul style="list-style-type: none"> Workshop on the practical use of the Boltzmann superposition principle (continuation)
Day 3	8:30 a.m. - 10 :00 a. m.	<ul style="list-style-type: none"> Summary and overview on the activities of Day 2 - Feedback Experiments under sinusoidal mode
	10:00 a.m. -10:30 a.m.	Coffee break
	10:30 a.m. -12:00 a.m.	<ul style="list-style-type: none"> Practical Interest of the experiments under sinusoidal mode Definition of new physical parameters for the sinusoidal mode
	12 :00 a.m. - 1:30 p.m.	Lunch
	1:30 p.m. - 3:00p.m.	<ul style="list-style-type: none"> Workshop on the practical interest of experiments under sinusoidal Mode
	3:00-3:30	Coffee break
	3:30- 5:00	<ul style="list-style-type: none"> Workshop on the Quantification of viscous and elastic behavior of polymers
Day 4	8:30 a.m. - 10 :00 a. m.	<ul style="list-style-type: none"> Summary and overview on the activities of Day 3 - Feedback Practical study on the prediction of thermo-mechanical properties of plastics

	10:00 a.m. -10:30 a.m.	Coffee break
	10:30 a.m. -12:00 a.m.	<ul style="list-style-type: none"> • Workshop on structure / thermo-mechanical Properties relationship
	12 :00 a.m. -1:30 p.m.	Lunch
	1:30 p.m. -3:00p.m.	<ul style="list-style-type: none"> • Workshop on structure / thermo-mechanical Properties relationship (continuation)
	3:00-3:30	Coffee break
	3:30- 5:00	<ul style="list-style-type: none"> • Time – Temperature superposition principle • WLF principle
Day 5	8:30 a.m. - 10 :00 a. m.	<ul style="list-style-type: none"> • Summary and overview on the activities of Day 4 - Feedback • Workshop on the practical exploitation of the WLF law - Practical use of experimental data
	10:00 a.m. -10:30 a.m.	Coffee break
	10:30 a.m. -12:00 a.m.	<ul style="list-style-type: none"> • Workshop on the practical exploitation of the WLF principle - Practical use of experimental data (continuation)
	12 :00 a.m. - 1:30 p.m.	Lunch
	1:30 p.m. - 3:00 p.m.	<ul style="list-style-type: none"> • Workshop on the practical exploitation of the WLF law - Practical use of experimental data (continuation)
	3:00-3:30	Coffee break
	3:30- 5:00	<ul style="list-style-type: none"> • Summary overview and discussion. • End of the program