

SPE
1/13/2009
Basic Extrusion Training Course Agenda

Day 1	Time	Title	Description
Session 1	8:00 – 9:00	Polymer Characterization	Discuss polymer characteristics and processes.
Session 2	9:00 – 10:00	Description of Extruder	Introduction to the extruder
Break			
Session 3	10:00 – 10:30	Polymer Rheology	Introduction to polymer rheology as used in extrusion.
Session 4	10:30 – 11:30	Screw Design	Introduction to extruder screw design principles.
Lunch	11:30 – 12:15		
Session 5	12:15 – 1:00	DSC	Discussion of DSC
Session 6	1:00 – 2:00	Blown and Cast Film, Sheet, Profile	Introduction to blown and cast film. Sheet, Profile, tubing view
Break			
Session 7		DSC	Discussion of DSC
Lab Demo	2:15 – 2:45	Lab Demo	Lab demonstration of a blown film line plus other take off syst.
Session 8	2:45 - 3:15	Die Design	Discuss die design and coextrusion
Session 9	3:15 – 4:00	FTIR	Discuss use of FTIR