

REQUEST FOR ANALYSIS FROM THERMAL ANALYSIS LABORATORY

Chemistry Building II/Room 103

Department of Materials Science and Engineering, NTNU

Requested by:		Date:		Project no:	
Department:		Supervisor:			
Instrument (mark which one you will use):					
Dilatometer	DSC polyma	TGA Hugin	TGA Munin	Linseis	
Material/Composition					
Purpose of analysis:					
Dilatometer sample length:		TG sample mass: (Be critical, use as small amounts as possible!)			
<p>Harmful to apparatus? Check the given list with the instructions. Consider whether volatile species, liquid phase or reactions may cause apparatus damage during analysis. Supervisor should be involved in discussion/decision.</p> <p style="background-color: yellow;">NB: In case of any damage to the equipment caused by the sample(s), the expenses for repair must be covered by the users' project.</p> <p>Signature supervisor:.....</p>					
Safety issues:					

Temperature programme							
Step no:	Temp. init. (°C):	Ramp (°C/min):	Temp. end (°C):	Dwell (min):	Sample gas	Protective gas (N2 or Ar)	Flow (ml/min):
Total analysis time:							

Dilatometer measurement

Sample temperature control (STC)	On		Off	
Range	500 μ m		5000 μ m	
Standard	Yes		No	

DSC polyme measurement

Closed lid	Yes		No	
pierced lid	Yes		No	

TGA measument

Do you need a burn off round	Yes		No	
Burn off conditions	Temperature($^{\circ}$ C):		Dwell(min):	
Do you need a lid	Yes		No	