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ptp	•	Technical Definition Differential Scanning Calorimetry - DSC
Kit DSC 2016 P Composite	TP	

Instructions to participant laboratories

Please read carefully these instructions **BEFORE** starting the tests.

- 1. One specimen (30 x 10 x 2 mm) is supplied to each participant 5 results must be provided.
- All tests are to be performed in accordance with the requirements of EN ISO 11357 (2013) or AITM 3-0008 issue 1. Tests shall be performed by the same operator on the same test machine.

Additional information:

- Heating temperature: 10°C/min, from ambient temperature to 310°C.
- Perform sampling on the side opposite to the identification mark.
- For ΔH_{100} calculation :
 - i. Average Fibre volume content of the sample is 65%,
 - ii. Resin content is $35 \pm 2\%$ by weight.
- 3. Each participant is required to determine the following parameters:
 - Reaction enthalpy : Enthalpy value ΔH
 - Reaction enthalpy corrected to 100% resin content : ΔH₁₀₀
 - Temperature Onset of the reaction
 - Temperature Peak on the cured specimens as defined in the EN ISO 11357 or AITM 3-0008.
- 4. The following information need to be reported:
 - Specimens mass.
 - Equipment and test parameters used. (Heating; temperature range...)
- 5. Results are to be reported as follows:
 - Reaction enthalpy (XX,X J/g)
 - Temperature Onset (XXX °C)
 - Temperature Peak (XXX °C)
 - A standard complete test report shall be stored by the participant, in case of suspicious results it will be asked for investigation by the sponsors
- 6. Testing shall start as soon as test specimens are received. All participant laboratories must supply results by September 2nd, 2016.
- 7. Instructions for submission of results are detailed on the website:

https://ptpscheme.com

- 8. To ensure confidential treatment of results in the final report, each participant lab will be provided with a unique identity number at the moment of his registration to the program.
- 9. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.