

**Technical Definition****AITM 1-0008 A1 (Thick) Compression Test  
(Ambient Temperature)*****Instructions to participant laboratories***

Please read carefully these instructions and the AITM 1-0008 standard before starting any test activities.

1. Tests shall be performed according to AITM 1-0008 issue 08.
2. Five specimens A1 are supplied to each participant. All valid results shall be submitted. 5 results are expected.
3. The conformity of the specimens to the requirements of AITM 1-0008 shall be verified before testing.
4. Testing shall start as soon as the specimen kit(s) are received. All participating labs shall provide their results till September 2<sup>nd</sup>, 2016.

Prerequisite for starting the tests are:

- an Airbus qualification for this test
  - for labs which are not qualified yet, the rules of Technical Qualification of Mechanical Test Methods apply. The PTP kit may be used for the required comparison tests.
5. If necessary, the tab length can be adjusted. If you do so, particular care shall be taken on parallelism of edges.
  6. The following general information shall be delivered by the lab:
    - Ambient temperature [°C] and ambient humidity [% rel. Hum.] during test
    - Test results obtained for each tested sample as mentioned in the paragraphs hereafter.
  7. Each participant is required to determine the following parameter:
    - Compression strength and failure mode
    - Compression modulus

Note: All calculations shall be based on nominal thickness: 4.65 mm

8. Instructions for submission of results are detailed on the website:

<https://ptpscheme.com/>

9. 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.



## Technical Definition

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### Material Information

<b>Specimens</b>	<b>AITM 1-0008 A1 (thick)</b>
<b>Material</b>	<b>IM7-G/8552;35.2%;160AW;48"</b>
<b>Material area weight</b>	<b>160 Nominal</b>
<b>Material Supplier</b>	<b>Hexcel</b>
<b>Batch number</b>	<b>92M0001073</b>
<b>Cured ply thickness</b>	<b>0.155mm (0.0061") Nominal</b>
<b>Lay-up</b>	<b>30 Plies (0/+45/-45/0/90/0/+45/-45/0/90/0/+45/-45/0/90/90/0/-45/+45/0/90/0/-45/+45/0/90/0/-45/+45/0)</b>
<b>Nominal thickness (mm)</b>	<b>4.65 mm (0.183") Nominal</b>
<b>Tab material (if applicable)</b>	<b>0/90 Scotch Ply</b>
<b>Tab thickness (mm) (if applicable)</b>	<b>0.177mm (0.0070) nominal</b>