

Version No. 2	Page 1 of 3	<div>Technical Definition</div> <div>Compression EN 2850 A test</div> <div>Carbon Fiber Composite</div>
<div>ptp.</div>		
<div>Kit 31-2-2023</div> <div>Compression EN 2850 A</div>		

*You shall respect the HSE policy of your laboratory for each performed test.*

***Instructions to participant laboratories***

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

- Five specimens (140 x 10 x 2,0 mm) are supplied to each participant – 5 results must be provided.  
If one result is missing, your test will be considered as an outlier. A RCA shall be completed.
- The specimens have to be dried during 48 hours (0/+10) at 70°C (+/- 3) and tested within the next 8 hours after the drying.
- All tests must be performed at room temperature in accordance with the requirements of **EN 2850 (2017)**.

The tests shall be performed respecting the following conditions:

- One operator only
- One testing machine only
- Tests performed in sequence

If necessary, specimen length can be physically adjusted (has to be indicated in the results form). If you do so, particular care shall be taken on parallelism as indicated in the standard.

- The following information need to be reported:

Characteristic	Unit	Significant digits	Mandatory / Not mandatory	Evaluated Yes/no
Specimen thickness	mm	X,XX	Mandatory	No
Specimen width	mm	X,XX	Mandatory	No
Loading introduction of the specimen	N/A	N/A	N/A	N/A
Compression strength based on theoretical thickness	MPa	XXX	Mandatory	<b>Yes</b>
Compression strength based on real thickness	MPa	XXX	Mandatory	<b>Yes</b>
Compression load at failure	kN	XX,X	Mandatory	No
Secant compression modulus – Strain method	GPa	XX,X	At least one method has to be used	<b>Yes</b>
Secant compression modulus – Load method	GPa	XX,X		<b>Yes</b>
Compression failure mode	N/A	N/A	Mandatory	No
Bending	%	X,X	Mandatory	No
Upload of the official test report	N/A	N/A	Mandatory	No

Nominal thickness: 2,024 mm

All evaluated characteristics will be analysed according to the algorithm A and S (ISO 13528 – 2015) and evaluated using z-score.

Version No. 2	Page 2 of 3	<div>Technical Definition</div> <div>Compression EN 2850 A test</div> <div>Carbon Fiber Composite</div>
<div>ptp.</div>		
<div>Kit 31-2-2023</div> <div>Compression EN 2850 A</div>		

5. Testing shall start **as soon as test specimens are received**. Please contact the following e-mail address for any technical or administrative query.

<b>Submission date :</b>	<b>1<sup>st</sup> July, 2023</b>
<b>Technical and administrative support :</b>	<a href="mailto:info@ptpscheme.com">info@ptpscheme.com</a>

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

<https://ptpscheme.com/>

7. To ensure the confidential treatment of your results in the final report, you will be allocated a unique identity number when you register for the program.
8. Collusion and falsification of your PTP results are totally forbidden. In case of identification or suspicion of collusion or falsification, the laboratory will be excluded from the program and the sponsors will be immediately informed. The sponsors could ask you proofs of your records and analyses, so be sure to conserve data, curves and specimens.
9. The tested specimens do not need to be sent back to PTP.

Version No. 2	Page 3 of 3	<div>Technical Definition</div> <div>Compression EN 2850 A test</div> <div>Carbon Fiber Composite</div>
<div>ptp.</div>		
<div>Kit 31-2-2023</div> <div>Compression EN 2850 A</div>		

#### APPENDIX: Instructions for IRR participation

The Internal Round Robin participation (IRR) is **optional** and **independent** from your PTP participation. Confidentiality: The IRR results and reports are confidential and only accessible by your laboratory. They are not shared with the scheme sponsors or any other accreditation or certification bodies.

The extra samples shall be tested according to the following table:

	Operator 1	Operator 2	Operator 3	Operator 4	Operator X
<b>Test machine 1</b>	PTP kit (5 samples)	3 samples	3 samples	3 samples	3 samples
<b>Test machine 2</b>	3 samples				
<b>Test machine 3</b>	3 samples				
<b>Test machine Y</b>	3 samples				

**Operator 1** (OP1) is to be the most experienced operator currently conducting tests on a regular basis and shall perform tests on all machines (TM1, TM2, TM3...)

**Test Machine 1** (TM1) is to be the most utilised machine for this test in your laboratory and shall be tested by all operators (OP1, OP2, OP3...)

Example: A laboratory has 2 operators and 3 test machines. They receive a PTP kit and 9 extra specimens.

Operator 1 shall test the PTP kit on TM1, 3 specimens on TM2 and 3 specimens on TM3.

Operator 2 shall test 3 specimens on TM1.

The IRR results have to be submitted on a separate results form available on the PTP website.

The identification of operators and test machines you provide will appear on the IRR final report. These identifications will not be seen by other laboratories.

The IRR results will be classified against the acceptance classes of the kit Compression EN 2850 A-2023.

**Reminder:** Laboratories are not permitted to switch specimens between the PTP kit and IRR samples. The traceability of the samples will be checked during the evaluation. Laboratories found to have switched samples will invalidate their PTP participation.

#### VERSION HISTORY

Issue Date	Issue N°	Changes
21/12/2022	1	Document creation
28/04/2023	2	Modification of the submission date