

Fig. 1. 3-point flexion test set-up with $\varnothing 10$ mm cylindrical contacts.

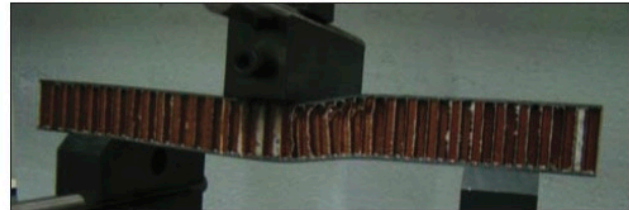


Fig. 2. 3-point flexion test set-up with 20 mm wide block contacts.

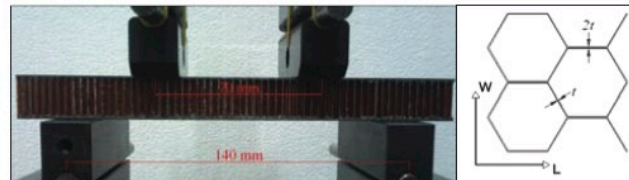


Fig. 3. 4-point flexion test set-up and core direction definition.



Fig. 4. Compression test set-up and compressed specimen.

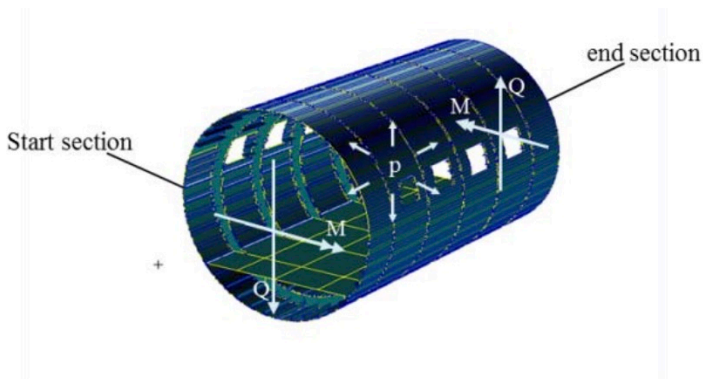


Figure 2. Mechanical loading

Left-hand image: Han-Gi Son, Deepak Kumar, Yong-Bin Park, Jin-Hwe Kweon and Jin-Ho Choi, “Structural design and analysis of composite aircraft fuselage used to develop AFP technology”, Proceedings of the Seventh International Symposium on Mechanics, Aerospace and Information Engineering, Hakone Pax Yoshino, Japan, February 21-23, 2013

Right-hand image: Rene Roy, Khanh-Hung Nguyen, Jin-Hwe Kweon and Chang-Won Shul, “Finite element modeling of Nomex honeycomb core carbon/Epoxy composite sandwich panels”, Journal of Computational and Theoretical Nanoscience, August 2012, DOI: 10.1166/asl.2012.4164

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<https://prabook.com/web/jin-hwe.kweon/439416>

https://www.researchgate.net/scientific-contributions/2006732753_J-H_Kweon

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Selected Publications:

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Rene Roy, J.H. Kweon and J.H. Choi, “Meso-scale finite element modeling of Nomex (TM) honeycomb cores”, Advanced Composite Materials, Vol. 23, No. 1, pp 17-29, January 2014