

# **BIBLIOGRAFÍA**



1. Marín J.C., Tesis Doctoral "Determinación del Módulo de Cortadura Intralaminar en Compuestos Grafito-Epoxi mediante el Ensayo Off-Axis", Escuela Superior de Ingenieros, Universidad de Sevilla, 1998.
2. París F., Cañas J., Marín J.C. y Barroso A., "Introducción al análisis y diseño con materiales compuestos", Sección de publicaciones Escuela Técnica Superior de Ingenieros Universidad de Sevilla, ISBN: 978-84-88783-92-9.
3. Marín J.C., Cañas J., París F., Morton J., "Determination of G12 by means of the off-axis tension test. Part I: Review of gripping systems and correction factors", Composites Part A: applied science and manufacturing, 33(1), pp. 87-100, 2002.
4. Marín J.C., Cañas J., París F., Morton J., "Determination of G12 by means of the off-axis tension test. Part I: A self consistent approach to the application of correction factors", Composites Part A: applied science and manufacturing, 33(1), pp. 101-111, 2002.
5. Odegard G., Kumosa M., "Determination of shear strength of unidirectional composite materials with the Iosipescu and 10° off-axis shear tests", Composites Science and Technology, vol.60 (16), p 2917-2943, 2000.
6. Morozov E., Vasiliev V., "Determination of the shear modulus of orthotropic materials from off-axis tension tests", Composite Structures, 62, pp. 379-382, 2003.
7. Pierron F., Vautrin A., "10° off-axis tensile test: A critical approach", Composites Science and Technology, v56, n4, p. 483-488, Apr 1996.
8. Marín J.C., Cañas J., París F., "On the optimal choice of the fibre orientation angle in the off-axis tension test with oblique end-tabs", School of Engineering, Univ. of Seville.
9. Pagano N.J. and Halpin J.C., "Influence of End Constraint in the Testing of Anisotropic Bodies", J. Composite Materials, Vol. 2, No. 1, 1968, pp. 18-31.
10. Nakamura O., Ohana T., Tazawa M., Yokota S., "Study on the PAN carbon fiber innovation for modeling a successful R&D management", research paper.
11. Pindera M.J. and Herakovich C.T., "Shear Characterization of Unidirectional Composites with the Off-Axis Tension Test", Experimental Mechanics, Vol. 26, No. 1, pp. 103-112, 1986.
12. Sun C.T. and Berreth S.P., "A new end tab design for off-axis tension test of composite materials", Journal of Composite Materials, 22 (8), pp. 766-779, 1988.
13. Sun C.T. and Chung I., "An Oblique End-Tab Design for Testing Off-Axis Composite Specimens", Composites, Vol. 24, No. 8, pp.619-623, 1993.
14. Chamis C.C. and Sinclair J.H., "Ten-deg off-axis test for shear properties in fiber composites", Experimental Mechanics, Vol. 17 (9), pp. 339-346, 1977.
15. Vargas, G. and Mujika, F., "Determination of in-plane shear strength of unidirectional composite materials using the off-axis three-point flexure and off-axis tensile tests", Journal of Composites Materials, v 44, n 21, p 2487-2507, 2010.

- 
16. Product Data Sheet: 3501-6 Epoxy-Matrix, High strength, Damage-Resistant, Structural Epoxy Matrix, Hexcel Composites, 1998.
  17. Product Data Sheet: Hexply 8552 Epoxy-Matrix (180°C/356°F curing matrix, Hexcel Composites, 2013.
  18. Product Data Sheet: HexTow AS4D, Carbon Fiber, Hexcel Composites, 2010.
  19. Barciela F., “España, la gran potencia de los composites”, artículo periodístico EL PAIS, 24 Agosto 2014.
  20. Tsai, Stephen W.: Strength Theories of Filamentary Structures, in R.T. Schwartz and H.S. Schwartz (eds.), “Fundamental Aspects of Fiber Reinforced Plastic Composites”, Wiley Interscience, New York, 1968, pp. 3-11.
  21. Pipes, R. Byron, and B. W. Cole: On the Off-Axis Strength Test for Anisotropic Materials, J. Composite Materials, April, 1973, pp. 246-256.