

PUBLICATIONS:

Books:

Ciriscioli, P. R., and G. S. Springer, *Smart Autoclave Cure of Composites*, Technomic Publishing Company, Lancaster, PA, 1990.

Ciriscioli, P. R., and Mantell, S. C., Eds., *Composites: Design and Manufacture for Cost Effectiveness*, The American Society of Mechanical Engineers, New York, NY, 1994.

Refereed Articles:

Mantell, S.C., P.R. Ciriscioli, and G. Almen. 1994. "Cure Kinetics and Rheology Models for ICI Fiberite 977-3 and 977-2 Thermosetting Resins." *Journal of Reinforced Plastics and Composites*.

Mantell, S.C. and P.R. Ciriscioli. 1993. "Cure Model for ICI Fiberite 977-2 and 977-3 Resins." *Proceedings of the 8th International SAMPE Symposium*, Society for the Advancement of Material and Process Engineering, vol. 38, pp. 988-998.

Ciriscioli, P. R., Q. Wang, and G. S. Springer, "Autoclave Curing - Comparisons of Model and Test Results," *Journal of Composite Materials*, Vol. 26 (1992), pp. 90-102.

Ciriscioli, P. R., G. S. Springer, and W. I. Lee, "An Expert System for Autoclave Curing of Composites," *Journal of Composite Materials*, Vol. 25 (1991), pp. 1542-1587.

Ciriscioli, P. R., Q. Wang, and G. S. Springer, "A Technique for Measuring the Mechanical Properties of Thick Composite Laminates," *Journal of Composite Materials*, Vol. 25 (1991), pp. 1330-1339.

Ciriscioli, P. R., "Change," *SAMPE Journal*, Vol. 27 (1991), pp. 7.

Ciriscioli, P. R., "Tooling," *International Encyclopedia of Composites*, Vol. 6, (ed. S. M. Lee), VCH Publishers Incorporated, New York, NY, 1991.

Ciriscioli, P. R., and G. S. Springer, "Dielectric Cure Monitoring - A Critical Review," *SAMPE Journal*, Vol. 25 (1989), pp. 35-42. Also in *Tomorrow's Materials: Today*, Society for the Advancement of Materials and Process Engineering, Vol. 34 (1989), pp. 312-324.

Ciriscioli, P. R., W. I. Lee, D. G. Peterson, G. S. Springer, and J. M. Tang, "Accelerated Environmental Testing of Composites," *Environmental Effects on Composite Materials*, Vol. 3, (ed. G. S. Springer), Technomic Publishing Company, Lancaster, PA, 1987. Also in *Journal of Composite Materials*, Vol. 21 (1987), PP 225-242.

Mantell, S. C., P. R. Ciriscioli, and G. Almen, "Cure Kinetics and Rheology Models for ICI Fiberite 977-3 and 977-2 Thermosetting Resins," *Journal of Reinforced Plastics and Composites*, Vol. 14 (1995), pp. 847-865.

Dusi, M. R., W. I. Lee, P. R. Ciriscioli, and G. S. Springer, "Cure Kinetics and Viscosity of Fiberite 976 Resin," *Journal of Composite Materials*, Vol. 21 (1987), pp. 243-261.

Lee, W. I., P. R. Ciriscioli, M. R. Dusci, and D. R. Peterson, "Cure Process Model of Organic Matrix Composites in the Presence of Vapor Release," *Journal of Reinforced Plastics and Composites*, Vol. 5 (1986), pp. 3-8.

Lee, W. I., P. R. Ciriscioli, and G. S. Springer, "Accelerated Environmental Conditioning of Composites," *SAMPE Quarterly*, Vol. 17 (1986), pp. 27-31. *Also in Material Sciences for the Future*, Society for the Advancement of Materials and Process Engineering, Vol. 31 (1986), pp. 263-268.

Conference Proceedings:

Ciriscioli, P. R., "Expert System Cure Control: Considerations for Tool Design," *Tooling for Composites*, Society of Manufacturing Engineers, EM90-176 (1990), pp. 1-6.

Ciriscioli, P. R., "The Effect of Gelcoat Mechanical Properties on the Life and Dimensional Accuracy of Composite Tools," *Tomorrow's Materials: Today*, Society for the Advancement of Materials and Process Engineering, Vol. 34 (1989), pp. 1306-1314.

Ciriscioli, P. R., Q. Wang, G. S. Springer, and W. I. Lee, "An Expert System for Controlling Autoclave Temperature," *Advanced Materials: The Challenge for the Next Decade*, Society for the Advancement of Materials and Process Engineering, Vol. 2 (1990), pp. 1507-1516.

Ciriscioli, P. R., "The Creep Behavior of Cured Bis-phenol A Resin at Elevated Temperature," *Failure Modes of Composites*, American Society for Metals, 1976.

Lee, W. I., P. R. Ciriscioli, and G. S. Springer, "Dimensional Stability of Unsymmetric Laminates," *Materials Sciences for the Future*, Society for the Advancement of Materials and Process Engineering, Vol. 31 (1986), pp. 750-763.

Mantell, S. C., P. R. Ciriscioli, "Cure Model for ICI Fiberite 977-2 and 977-3 Resins," *Advanced Materials: Performance Through Technology Insertion*, Society for the Advancement of Materials and Process Engineering, Vol. 38 (1993), pp. 988-998.