



Selected Publications

Daniels, Charles, Ph.D. "Physical Constants of Poly(vinylchloride): Modification of Poly(vinyl chloride)." The Polymer Handbook 4th Edition.

Charles A. Daniels, Charles A., Summers, James W., and Wilkes, Charles E. editors, PVC Handbook. Hanser-Gardner. (2005).

Ernes, David, Ph.D. "Process Emissions for Vinyl Pipe Industry." Journal of Vinyl & Additive Technology 4.3 (Sept. 1998).

Ernes, David, Ph.D., Garg, B.K., Williams, R.C. "A Comparative Study of Branched and Linear Dialkyl Phthalate Plasticizer Surface Levels and Their Effects on Adhesive Bonds in Flexible PVC." Journal of Applied Polymer Science 29.1 (Jan. 1984) 383-397.

Latz, Howard., Ernes, David, Ph.D, "Selective Fluorescence Detection of Citrus Oil Components Separated By High-Performance Liquid Chromatography." Journal of Chromatography A 166.1(Dec. 1978), 189-199.

Harrell, Ray, Ph.D. "Approximate Model for Analyzing Frozen-in Strains and Shrinkage of Extruded PVC Lineal Profiles." Journal of Vinyl & Additive Technology 4.3 (Sept. 1998).

Harrell, Ray, Ph.D. "Contribution of Flow Deformation to the Shrinkage of Injection Molded PVC." Journal of Vinyl & Additive Technology 5.3 (Sept. 1999).

Harrell, Ray, Ph.D. "Influence of Various Molding Conditions on the Uni-, Bi- and Tri-Axial Impact Properties of Polyvinyl Chloride (PVC)." SPE 58th Annual Conference (1997).

Isner, James. "The Appearance Retention Properties of Poly(VinylChloride) Compounds During Weathering." Polymer Engineering and Science 18.11 (Aug. 1978).

Isner, James. "Gloss Control in Rigid PVC (Part I) – Techniques for Gloss Assessment of Rigid PVC Profiles." ANTEC Conference (May 2000).

Isner, James. "How the Morphology of Poly(VinylChloride) Compounds Affects Toughness & Weatherability." Polymer Engineering and Science 20.2 (Jan. 1980).

Isner, James. "The Morphology of Flexible PVC." ANTEC Conference (May 1979).

Isner, James, Amjad, Z., and Williams, R.C. "The Role of Analytical Techniques for Identifying Reverse Osmosis Foulants." Ultrapure Water 5.5(1988).

McFarland, Coleen, Koenig, J.L., West, J.L. "Analysis of Polymer-Dispersed Liquid Crystals by Infrared Spectroscopy." Applied Spectroscopy. 47.3 (1993).

McFarland, Coleen. "Contribution of Flow Deformation to the Shrinkage of Injection Molded PVC." Journal of Vinyl & Additive Technology. 5.3 (Sept. 1999).

McFarland, Coleen, Koenig, J.L., West, J.L. "Influence of the Polymer Matrix on the Bipolar and Radial Droplet Configurations within PDLC Films Examined by Infrared Spectroscopy." Applied Spectroscopy. 47.3 (1993)

McFarland, Coleen, Gross, S.A., Winfield, J.S., Pett, V.B. "An Ethyl-Cobalt Complex with a Buckled Equatorial Ligand," Inorganica Chimica Acta. 221 (1994), p. 35.

Smith, Greg, Ph.D. "Acid Gas Generated by Cables Burned Under Large Scale Test Conditions." Fire and Materials – 2nd International Conference & Exhibition. (Sept. 1993).

Smith, Greg, Ph.D. "Analysis of Hydrogen Chloride as a Combustion Product Using Gas Filter Correlation Analyzer." Journal of Vinyl Technology. 10.2 (June 1988).

Smith, Greg, Ph.D. "An Assessment of PVC Smoke." Journal of Vinyl Technology. 10.2 (June 1988).

Smith, Greg, Ph.D. "Heated Tube Furnace Test for the Emission of Acid Gas from PVC Wire Coated Materials." European Polymer Journal. 23.1 (1987).

Smith, Greg, Ph.D. "Quick Method for Determining the Acid Gas Evolution from PVC Formulations." Plastics: Value Through Technology – ANTEC Conference. (1986).