



Ohio Reports Volume 4

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 20 pages. Original publisher: Aberdeen Proving Ground, MD : Army Research Laboratory, 2010 OCLC Number: (OCOlc)640114311 Subject: Copper salts. Excerpt: . . . 4. Conclusions The addition of metal salts to poly (4-vinyl pyridine) alters the thermal properties of the polymer, with the extent of alteration being highly dependent on the type and loading of the salt. Negligible changes in T were observed for ionic-based ligation, while substantial T g g enhancements were seen for coordination-based ligation. The greatest T enhancement of the g 2 P4VP system (70 C) was observed with the addition of Zn at a 0. 25 molar equivalent loading. The former loading was determined to be the optimal one based on T, as well as ash content g from TGA and a fraction of coordinated pyridine rings from FTIR data. Further characterization of these systems in order to determine material density and conductivity is of interest. In 2 addition, a more thorough study of other salts, including Mg, could yield even greater enhancement of the P4VPs thermal properties. 9 This item ships from La Vergne,TN. Paperback.

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