

BOOK REVIEW

Green Polyurethanes and Biocomposites: Molecular Design and Characterization

Authors: Hyoe Hatakeyama and Tatsuko Hatakeyama (Fukui University of Technology, Fukui, Japan, and others)

Based on their own pioneering lignocel research the authors succinctly describe the extraordinary wide range of international studies to produce green polyurethanes from residual and waste materials. They demonstrate that the technology using renewable plant polyol resource is sufficiently advanced for commercial production and could replace or supplement the use of petroleum products. Functional properties can be introduced such as water sorption, mechanical properties, temperature resistance and thermal stability. Even polymer intelligence can be built in. The physical properties can be similar or better than current market products derived from petroleum. Here is vitally important book for the researcher and fabricator not available elsewhere.

Glyn O. Phillips, Professor, Chairman of Hydrocolloids Research Ltd., Fellow of the Royal Society of Chemistry and Editor of the *Journal of Hood Hydrocolloids*