

## Free Brochures

**Novamont Italia Srl**, Milan, a subsidiary of the Ferruzzi-Montedison group, now offers Mater-Bi a biodegradable thermoplastic based on cereal starch and oilseeds. This material is produced on a large scale and is used extensively world-wide in the manufacturing of perishable mulchfilms, blister and cushion packs, napkins, ballpoint pen caps, disposable gloves, carrierbags and many other purposes. Mater-Bi is converted with standard machinery, and is anti-electrostatic and printable without any pretreatment.

*H. Domininghaus (Dreieich)*

**Apec HT Bayer AG**, Leverkusen. Just as with all other materials in the broad assortment of thermoplastics, there is no standstill with polycarbonates (PC). Research and development are concentrated on the improvement of notched impact strength of thick-walled moldings, increase of impact strength at low temperatures, of heat distortion temperature (HDT), uv-stability and fluidity. These demands are met by the new Apec<sup>(R)</sup> TH, a copolycarbonate based on bisphenol A and bisphenol TMC (tetramethylcyclohexan). The HDT of this polycondensate increases with increasing share of TMC, e.g., VSP/B120 from 120°C till 205°C. At short-term mechanical or thermal loads the admissible temperature of application is only 15 K lower.

*H. Domininghaus (Dreieich)*

## Book Reviews

**Emerging Technologies in Hazardous Waste Management III.** ACS symposium series 518. D. William Tedder and Frederick G. Pohland (eds.) 466 pages, 173 figures, 67 tables, 789 references American Chemical Society, Washington, D.C. (1993) Hardcover US\$ 119, 95. ISBN 0-8412-2530-3

As total of 150 contributions were presented at the symposium of the American Chemical Society, held October 1-3, 1991, in Atlanta. This book contains twenty-two of those, selected on the basis of innovative features, perceptions of lasting value, and general applicability. These papers describe physical and chemical technologies for treating and managing solid, liquid, and gaseous wastes. Included are coverage of soil decontamination and redimentation, and treatment of volatile, radioactive and mixed wastes. Presented also is the state-of-the-art of supercritical water extraction technology, in situ and exsitu technologies for soil decontamination, photo-assisted decomposition technologies for gaseous waste, comparison of low temperature oxidation technologies for waste water treatment, determination of biodegradation kinetics with respirometry and group contribution methods, as well as treatment of volatiles with gas-phase bioreactors.

This book is recommended to waste management and environmental scientists and engineers as well as civil, mechanical and chemical engineers, and soil scientists.

*H. Domininghaus (Dreieich)*

**Chemistry and Industry of Macromonomers** Yuya Yamashita (ed.) 376 pages, 126 figures, 81 tables, 1263 references Hüthig & Wepf Verlag Basel, Heidelberg, New York (1993) Hardcover DM 218,-; öS1700,-; SFr 218,- ISBN 3-85739-119-7

Like metallic compounds, long improved through modification as alloys, polymers have also been modified to produce new substances by means of blending. Most polymer pairs are incompatible resp. blending and have failed to yield homogenous new materials with the desired properties. Chemistry of graft copolymers combined with the discovery of macromonomers now offered the opportunity of tailoring new materials.

In this book, 12 Japanese authors deal with the basic industry of macromonomers and graft copolymers (design, macromonomer and graft copolymer synthesis, polymerization reactivity of macromonomers, colloidchemistry of graft copolymers, surface modification of polymers by graft polymers, siloxan speciality polymers, membrane materials for gas separation, hydrogels and contact lenses, prospect of macromonomer technology, industrial development of macromonomers and graft copolymers. Wherever possible the authors present the varied applications of these new materials in Japan, such as in paints, coatings, adhesives, and molding materials applied as reactive oligomers, surface modifiers, and compatibilizers.

Chemists, physiochemists, engineers and technicians in research, development and application, lecturers and graduate students will welcome this book.

*H. Domininghaus (Dreieich)*

**Polymeric Delivery Systems, Properties and Applications.** ASC symposium series 520 Magda A. El-Nokaly, David M. Piatt and Bonnie A. Charpentier (eds.) 411 pages, 202 figures, 75 tables, 665 references. American Chemical Society, Washington, D. C. (1993) Hardcover US \$99, 95; ISBN 0-8412-2624-5

On April 5-10, 1992, the American Chemical Society held a symposium on the mentioned topic in San Francisco. The