

BOOK REVIEWS

N. G. GAYLORD, Editor

Chemie, Physik und Technologie der Kunststoffe. Vol. 5. Glasfaservastarkte Kunststoffe. R. NITSCHKE and H. HAGEN, Eds. Springer-Verlag, Germany, 1961. xiv + 698 pp. D.M. 69.00.

Chemie, Physik und Technologie der Kunststoffe. Vol. 6. Struktur und Physikalisches Verhalten der Kunststoffe. R. NITSCHKE and K. A. WOLF, Eds. Springer-Verlag, Germany, 1962. xv + 974 pp. D.M. 168.00.

Chemie, Physik und Technologie der Kunststoffe. Vol. 7. Praktische Kunststoffprüfung. R. NITSCHKE and P. NOWAK, Eds. Springer-Verlag, Germany, 1961. xii + 656 pp. D.M. 122.00.

These three volumes (numbers 5, 6, and 7 of the series on the chemistry, physics, and technology of plastics) are comprised of various contributions by experts in their respective areas.

Volume 5 covers such important aspects of glass-reinforced plastics as raw materials, production methods, properties and testing of the products, and uses in such applications as boat, aircraft, and automobile construction, architecture, and uses requiring corrosion resistance. As in the other books of this series, the treatment is comprehensive.

Volume 6 deals thoroughly with the scientific basis of polymers, i.e., with problems of physical and chemical structure, phases and their transitions, rheological behavior, physical-chemical methods of investigation, and effects of additives.

Volume 7 is concerned with the principles and methods of practical testing of a variety of polymer properties. The methods are described with numerous excellent illustrations. Of particular interest to Americans is the fact that much use is made of ASTM procedures.

Volumes 6 and 7 together comprise an excellent discussion of the properties of plastics.