

NOTES ON SOME CHINESE PAPERS

(Received 16 July 1965)

Reactions of functional groups on polymers. FONG SING-TEH, *J. High Polymers (China)*, 2(2), 95 (1958).

THE methods used to modify the properties of polymers by reactions on the polymeric functional groups and the adaption of these polymers to new technical uses are described and discussed. The polymers under discussion are polyethylene, polyvinylchloride, polyvinyl alcohol, polystyrene, polyacrylic esters, polyacrylamide, polyvinyl methyl ketone and polyacrolein. There are 73 references.

Contributions by Chinese polymer chemists, *J. High Polymers (China)*, 3(1), 1 (1959).

A SURVEY of published work by Chinese polymer chemists and technologists up to 1957 is made and classified under the following groups:

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| (1) polyesters | (2) rosin chemistry |
| (3) phenol-formaldehyde reactions | (4) moulding powder composition |
| (5) polyamides | (6) polyacrylates |
| (7) organo-silicon polymers | (8) ion-exchange resins |
| (9) natural and synthetic rubbers | (10) theoretical chemistry |

There are 69 references (all Chinese).

Polyoxymethylene, HU YA-TUNG, KO CHENG-PAI and CHENG KA-WEI (Institute of Chemistry, Chinese Academy of Sciences), *J. High Polymers (China)*, 3(2), 79 (1959).

THE polymerization of formaldehyde under anhydrous conditions in the presence of amine and phosphine catalysts has been studied. Attempts have been made to end block the terminal hydroxy groups of the polymer by using trimethyl chlorosilane.

Unsaturated polyesters, WANG CHI-LO, *J. High Polymers (China)*, 3(6), 323 (1959).

THE chemistry of unsaturated polyester resins is surveyed. Emphasis is given in devising methods of imparting self-extinguishing properties to the polymer by the use of reactants containing chlorine phosphorus and antimony. 11 references are listed.

More recent issues of this Journal have not been sent out of China.

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