

Alkyd Resins Manufacturing, Formulation and Processing

Description:

Alkyd resins are poly-esterification products derived from organic acids and alcohols. The majority of the alkyd used commercially have, as part of their acids component, long-chain fatty acids typically derived from vegetable oils. When alkyd are produced without fatty acids modification, they are referred to as polyesters or oil-free alkyds.

One of the important attributes of alkyd resins is their good compatibility with many other coating polymers. Alkyd resins are important ingredients in many synthetic paints, varnishes and enamels and find also applications as thermosetting plastics that can be molded. The principal applications are furniture and architectural coatings, product finishes, special-purpose coatings and automotive refinishing primers. Alkyd resins are manufactured from the condensation reaction between oil or polyols, acids, and alcohol. They are typically used as binders for coatings and printing inks.

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Keywords: Alkyd Resins Manufacturing, Alkyd Resins Formulation, Alkyd Resins Processing, Alkyd Resins, Alkyds, polyesters, Monitoring, Styrenated resins, maleopimaric, acid, Mechanical, varnish, weathering, Copolymerization, silicones, coatings, Styrene, copolymers, Blends, polystyrene, glycol, surface, coatings, Polyblends, polystyrene, glycol, Nomograms, chromatographic, carboxylic

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