

[54] PREPARATION OF ANHYDRIDE COPOLYMERS

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[57]

ABSTRACT

A method for preparation of very pure anhydride copolymers with high yield. The anhydride copolymers, consisting of aromatic and aliphatic diacids are formed by melt condensation of individually prepared, pure, isolated prepolymers. The method of preparation is characterized by high yield, reproducibility, polymer purity and controlled composition, and is a short and convenient procedure. The polyanhydrides produced by the disclosed method are particularly well suited to biomedical applications requiring low levels of toxic or inflammatory contaminants and physical and mechanical properties which closely conform to manufacturing specifications.

5 Claims, 2 Drawing Sheets

