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(54) Title: METHOD TO PRODUCE HIGH MOLECULAR WEIGHT POLYESTER POLYMERS WITH REDUCED ACETALDEHYDE CONTENT

(57) Abstract: Polyester compositions, especially polyethylene terephthalate homopolymer and copolymers, are disclosed containing titanium catalysts and catalyst deactivator added late in the manufacturing processing having reduced acetaldehyde generation rates. The polyester compositions are low in free acetaldehyde, making them suitable for fabrication into beverage containers for relatively tasteless beverages such as bottle water. Furthermore, the polyesters are polymerized to a high inherent viscosity in reduced processing time, without the necessity of further polymerization in the solid state, and in the absence of acetaldehyde scavengers leading to polyester polymers having reduced color.



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