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(54) Title: POLYVINYL BUTYRAL SHEET WITH BIFUNCTIONAL SURFACE MODIFYING AGENT

(57) **Abstract:** A polymer sheet having a bifunctional surface modifying agent deposited on the surface of the sheet and a method of manufacturing a polymer sheet having a bifunctional surface modifying agent on the surface of the sheet. The polymer sheet preferably comprises a polyvinyl butyral, a plasticizer incorporated into the polyvinyl butyral, and a bifunctional surface modifying agent disposed as a coating on the plasticized polyvinyl butyral, the bifunctional surface modifying agent comprising an anti-blocking segment and a compatibility segment, the anti-blocking segment comprising a hydrocarbon group comprising a linear hydrocarbon chain, a cyclic group, or a combination of linear hydrocarbon chains and cyclic groups, the compatibility segment comprising a sulfonate, sulfate, carboxylate, or phosphate radical. A method of manufacturing a polymer sheet comprises disposing a bifunctional surface modifying agent onto said polymer sheet surface, the bifunctional surface modifying agent comprising an anti-blocking segment and a compatibility segment comprising a sulfonate, sulfate, carboxylate, or phosphate radical.

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