Study on Improvement of Thermal Stability of the Ethylene Vinyl Acetate (EVA) Resin for Hotmelt Adhesive

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For a long time, the Ethylene Vinyl Acetate (EVA) resin has been used for hotmelt adhesive continuously due to their excellent processability and good adhesion properties. However, in hotmelt adhesive manufacturing process, because EVA resin was used at molten state at particular temperature, the poor thermal stability of EVA resin is the issue to be improved. In this study, we developed the EVA resin suitable for hotmelt adhesive having high thermal stability. And we confirmed various basic resin properties and thermal stability of developed EVA resin. The experimental results show good performance for hotmelt adhesive compared with advanced EVA product.