Study on Environmental Friendly Dyeing Auxiliary in Leather

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Abstract: The environmental friendly dyeing auxiliary was successfully prepared with acryloyl oxyethyl trimethyl ammonium chloride (DAC), acrylamide (AM) and butyl acrylate as raw materials. The effects of the reaction conditions on the percent grafting (PG%), grafting efficiency (GE%) and cationic degree were investigated. And the structures and properties of the polymer were characterized by FTIR, DSC and TGA. The application test showed that this Auxiliary could significantly improve the dyes absorption of leather and endow the leather with excellent dry and wet rub resistance.

Key words: dyeing auxiliary; cationic degree; environmental friendly