

Title (en)

Use of modified fatty amines for preventing deposition of low molecular weight by-products on textile materials

Title (de)

Verwendung von modifizierten Fettaminen zur Verhinderung von Ablagerungen von niedermolekularen Nebenprodukten auf textilen Materialien

Title (fr)

Utilisation d'amines grasses modifiées pour éviter le dépôt de sous produits de bas poids moléculaire sur les matières textiles

Publication

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Application

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Priority

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Abstract (en)

The use of modified fatty amines for reducing or preventing the deposition of low-mol. wt. by-products from polyester fibre production on textile materials made of polyester fibres or mixtures of these with other fibres is claimed. These amines have the formula $R-NR_3-(R_1-O)_n-R_2$ (I), in which $R = 9-24C$ alkyl or acyl; $R_1 = 2-4C$ alkylene; $R_2 = H$, or $1-4C$ alkyl or acyl; $R_3 = H$ or $(R_1-O)_m$; $n, m = 2-100$; the groups (R_1-O) can be the same or different in $(R_1-O)_n$ and in $(R_1-O)_m$. Also claimed is (i) a preparation containing (A) 3-50 wt% compound (I), (B) 2-10 wt% dodecylbenzene-sulphonic acid, and optionally other components; (ii) a method for reducing or preventing the deposition of low-mol. wt. by-products as above on polyester-containing fibre material, by using a preparation as in (i).

Abstract (de)

Die vorliegende Erfindung betrifft die Verwendung eines modifizierten Fettamines der Formel $R-NR_3-(R_1-O)_n-R_2$ worin R C₉-C₂₄-Alkyl oder Acyl, R_1 C₂-C₄-Alkyl, R_2 Wasserstoff, C₁-C₄-Alkyl oder Acyl, R_3 Wasserstoff oder $(R_1-O)_m$ sind, n und m unabhängig voneinander eine ganze Zahl von 2 bis 100 bedeuten und $(R_1-O)_n$ für n gleiche oder verschiedene Reste (R_1-O) und $(R_1-O)_m$ für m gleiche oder verschiedene Reste (R_1-O) steht, zur Verringerung, bzw. Verhinderung von Ablagerungen von niedermolekularen Nebenprodukten entstehend während des Herstellungsprozesses eines Polyester-Fasermaterials, auf textilen Materialien, die aus Polyesterfasern bestehen oder diese Fasern im Gemisch mit anderen Fasern enthalten.

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