

Title (en)
Finishing agent for textile comprising urethane-alkylene oxide copolymers

Title (de)
Textilveredlungsmittel auf der Basis von Urethan-Alkylenoxidcopolymeren

Title (fr)
Agents de finissage pour matériaux textiles constitués de copolymères uréthane-oxyalcoylène

Publication
EP 1043444 A1 20001011 (FR)

Application
EP 00400969 A 20000407

Priority
FR 9904323 A 19990407

Abstract (en)
Multifunctional finishing-dressing agents comprise urethane-oxyalkylene copolymers. The agents comprise urethane-oxy-alkoyl ene copolymers of formula: $R(NH-CO-O-(C_2H_4-O)_a-(C_4H_8-O)_b-R')_y(N=C=O)_x$ (I) R = aliphatic and/or aromatic structure containing biuret, urethane or isocyanurate groups, or radicals of formula (2), (3) (4); $d = 2.4 - 2.8$; $R' = H$, at least 8C linear or branched alkoxyl radical or aryl or alkylaryl radical, and preferably methyl, ethyl, propyl, butyl, isobutyl, 2-ethylhexyl, benzyl, phenyl, tolyl, xylyl, octylphenyl, nonylphenyl or naphthyl radical; $x = 0-1$, $y = \text{more than } 2$; $a = \text{at least } 1$; $b = \text{at least } 1$; $(a+b) = \text{at least } 5$ An Independent claim is also included for mixtures comprising classic dressing agent, preferably in form of emulsion of paraffin, low density polyethylene or high density polyethylene, and dressing-finishing agent as claimed.

Abstract (fr)
L'invention concerne des agents de finissage polyvalents pour textiles comprenant des copolymères uréthane-oxyalcoylène de la formule (1) suivante: $R[NHCOO-(C_2H_4-O)_a-(C_4H_8-O)_bR']_y(N=C=O)_x$ dans laquelle R représente une structure aliphatique et/ou aromatique pouvant contenir des groupements biuret, uréthane ou isocyanurate, R' est choisi parmi l'hydrogène, un radical alcoyle de moins de 8 atomes de carbone à chaîne droite ou à chaîne ramifiée, un radical aryle ou un radical alkylaryle, x est compris entre 0 et 1, y est supérieur à 2, a vaut au moins 1, b vaut au moins 1, la somme (a+b) vaut au moins 5.

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