

Title (en)
METHOD FOR THE HYDROPHILIC FINISHING OF FIBRES ON THE BASIS OF POLYOLEFINS OR POLYESTER, USING ALKYLETHOXYLATES

Title (de)
VERFAHREN ZUR HYDROPHILEN AUSRÜSTUNG VON FASERN

Title (fr)
PROCEDE D'APPRETAGE HYDROPHILE DE FIBRES A BASE DE POLYOLEFINE OU DE POLYESTER AVEC UTILISATION D'ALKYLETHOXYLATES

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Abstract (en)
[origin: DE19851687A1] The invention relates to a method for the hydrophilic finishing of fibres which consist exclusively or entirely of polyolefins or polyester. According to the invention a mixture containing (a) mostly polyolefins or polyester and (b) between 0.01 and 10 % by weight, in relation to the sum of polyolefin or polyester, of a composition containing at least one compound from the class of alkylethoxylates, is subjected at temperatures of between 180 and 320 DEG C and in the usual manner to a moulding process yielding fibres. The invention is characterized in that (i) no transition-metal compounds are added to the mixture subjected to the moulding process, either before or during said process; (ii) the alkylethoxylates (b) have the general structure R-O-(CH₂-CH₂-O)_xH, where the rest R is an alkyl rest with between 8 and 14 carbon atoms and x is a number between 4 and 10; and (iii) in the individual wetting test the alkylethoxylates (b) require at least four wetting cycles until failure.

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