

Title (en)
ADDITIVE COMPOSITIONS, ESPECIALLY TO IMPROVE THE COLD FILTRATION PROPERTIES OF PETROLEUM MIDDLE DISTILLATES

Publication
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Application
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Priority
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Abstract (en)
[origin: US4664676A] Additive compositions, useful in particular for improving the cold filterability properties of oil middle distillates, comprise: (A) at least one ethylene polymer; and (B) at least one polymeric compound resulting from the condensation of at least one compound comprising a primary amine group, of formula $R-Z[(CH_2)_nNH]mH$ or $HO-CH_2-R''-NH_2$ wherein R is an alkyl from C1 to C30, Z is -NH-, -NR'- or -O-, R' being a C1-C30 alkyl, n an integer from 2 to 4, m an integer from 1 to 4 (or zero when Z is -NH-), R'' is a C1-C18 alkylene, with a copolymer of a linear alpha-olefin, of an unsaturated alpha, beta-dicarboxylic compound and of an alkyl ester of an unsaturated monocarboxylic acid, or a vinyl ester of a saturated monocarboxylic acid. These additive compositions, used for example at concentrations from 50 to 500 g/m³, have a synergic effect on the filterability limit temperature of the middle distillates, particularly gas-oils.

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