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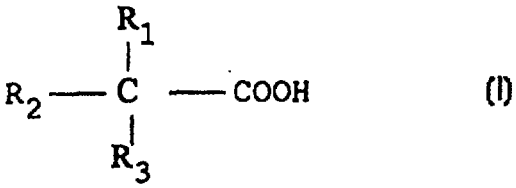
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(57) Abstract

Linear, tertiary carboxyl functional polyester resins obtainable by reaction of a) at least one compound A_1, comprising the reaction product of (i) a glycidylester of a mixture of synthetic highly branched saturated monocarboxylic acids isomers of formula (I), wherein R_1, R_2 and R_3 are alkyl groups of from 1 to 15 carbon atoms, of which at least one is methyl, each acid containing from 5 to 19 and preferably from 5 to 13 carbon atoms and preferably CARDURA glycidylesters, and (ii) a mixture of said synthetic highly branched saturated monocarboxylic acids, in a molar ratio of 1:1; said component A_1 being optionally mixed with hydroxy pivalic acid (A_2) and/or hydrogenated diphenylolpropane (A_3); b) at least one aromatic or cycloaliphatic dicarboxylic acid compound B, comprising two aromatic– or secondary aliphatic carboxyl groups or the anhydride thereof; optionally c) at least one dihydroxymonocarboxylic acid compound C comprising a tertiary aliphatic carboxyl group and two aliphatic hydroxyl groups, which may each independently be primary or secondary hydroxyl; and d) optionally at least one diol compound D comprising two aliphatic hydroxyl groups which may each independently be a primary or a secondary hydroxyl group; the molar ratio of compounds A_1:A_2+A_3:B:C:D being A_1:(2–A_1):X+Y+1:X:Y, wherein A_1 ranges from 0.1 to 2, wherein Y ranges from 0 to 6 and X ranges from 2 to 8, at a temperature of from 100 to 225 °C, until essentially all the non–tertiary carboxyl groups as initially present in the reaction mixture have been reacted; polyglycidylesters derived from said polyester resins and coating compositions comprising at least one polyester resin and/or at least one polyglycidyl resin.



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