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(54) Title: ACID FUNCTIONAL AND EPOXY FUNCTIONAL POLYESTER RESINS

(57) Abstract

Linear, tertiary carboxyl functional polyester resins obtainable by reaction of (a) at least one 1,4-dicarboxylcyclohexane (A) optionally mixed with a minor weight fraction of an alkane dicarboxylic acid, containing in the range of from 8 to 16 carbon atoms (A'), (b) at least one dihydroxymonocarboxylic acid compound (B), comprising a tertiary aliphatic carboxyl group and two aliphatic hydroxyl groups, (c) optionally one diol compound (C) comprising two aliphatic hydroxyl groups, which may each independently be a primary or a secondary hydroxyl group, and optionally (d) a compound (D') comprising one monofunctional primary or secondary hydroxyl group and/or a compound (D'') comprising one primary or secondary hydroxyl group and one tertiary aliphatic carboxyl group, the molar ratio of the compounds (A+A') : B : C : D' : D'' being X+Y+1 : Y : X : M : N wherein M+N is the range of from 0 to 2, wherein X ranges from 2 to 8, and Y ranges from [2-(M+N)] 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 polyglycidylester resin.