

Title (en)
FLEXIBILIZED EPOXY RESINS

Title (de)
FLEXIBILISIERTE EPOXIDHARZE

Title (fr)
RESINES EPOXY FLEXIBILISEES

Publication
EP 0910600 A1 19990428 (EN)

Application
EP 97932557 A 19970707

Priority
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• US 9711938 W 19970707

Abstract (en)
[origin: WO9801495A1] Epoxy resin systems having good flexibility and impact resistance are modified to provide improved resistance to solvents. Incorporation of a polyalkyleneoxide segment of a molecular weight less than 500 provides improved chemical resistance without sacrifice of mechanical properties. To achieve this an alkoxyated polyol with low molecular weight is reacted with a polycarboxylic acid anhydride to produce the half ester, which is then used to synthesize the flexibilized epoxy resin by forming adducts with polyglycidyl ethers. The flexibilized epoxy resins as well as the acid functionalized oligoalkylenes are claimed.

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IPC 8 full level
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