

Title (en)
PROCESS FOR REDUCING THE AMOUNT OF RESIDUAL MONOMERS DURING THE POLYMERISATION OF VINYL LACTAMS AND VINYL ESTERS

Publication
EP 0000161 B1 19810520 (DE)

Application
EP 78100179 A 19780616

Priority
DE 2730017 A 19770702

Abstract (en)
[origin: US4182851A] A process for reducing the residual monomer content of a copolymer prepared by copolymerizing vinyl esters and N-vinyl-lactams in a solvent in the presence of a free radical polymerization initiator. Following the main polymerization, from 0.05 to 0.5% by weight, based on the monomers employed, of di-tert.-butyl peroxide, di-tert.-amyl peroxide, dicumyl peroxide, 2,5-dimethyl-2,5-bis-(tert.-butylperoxy)-hexane, 2,2-bis-(tert.-butylperoxy)-butane, 1,1-bis-(tert.-butylperoxy)-3,3,5-trimethylcyclohexane, 4,4-di-(tert.-butylperoxy)-butyl valerate, or a mixture of these, is added to the reaction mixture and the after-polymerization is carried out at a higher temperature than the main polymerization.

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Cited by
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