

Preparation of an aqueous polymer dispersion**Abstract****5**

An aqueous polymer dispersion is prepared by free radical aqueous emulsion polymerization of a mixture of monomers having at least one ethylenically unsaturated group, which comprises at least 30% by weight of monomers having two conjugated ethylenically

10 unsaturated double bonds, by a process in which the polymerization temperature is varied in the course of the free radical aqueous emulsion polymerization.

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