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Low molecular co-polymers on the basis of methacrylic monomers and stillage bottoms of butadiene rubber production

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Abstract

Co-polymerization of 4-vinylcyclohexene with methacrylic monomers has been considered. The method of the experiment planning included the estimation of the effect of monomer structure on the output of low-molecular co-polymer and conversion monomers. Correlation of reactionary ability of monomer with the sizes of the polar factor (e) and resonant stabilization (Q) has been established. A number of methacrylic monomers have been revealed, in which the ability for co-polymerization with 4-vinylcyclohexene depending on the structure of the monomer naturally increases.