

Thematic direction: Synthesis of methylbenzylated phenols. Part 1.

Research of the efficiency of action of some substituted phenols as inhibitors of styrene thermopolymerizations

© Elena N. Cherezova,^{1*} and Darya P. Shalyminova²⁺

Department of technology of synthetic rubber. Kazan state technological university.

K. Marx St., 68. Kazan, 420015. Republic Tatarstan. Russia. Phone: +7 (843) 231-41-59.

E-mail: ¹⁾ cherezove@rambler.ru ; ²⁾ shalyminovad@rambler.ru

*Supervising author; +Corresponding author

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Abstract

The estimation of efficiency of action of commercial phenolic antioxidants 2,6-di-*tert.*-butyl-4-methylphenol, bis (2-oxy-5-methyl-3-*tert.*-butylphenyl) methane, as well as mixtures of the substituted phenols of natural origin and methylbenzylated phenols as inhibitors of styrene thermopolymerization was carried out. It is established that the phenols obtained by thermal pyrolysis of wood and radiation pyrolysis of lignine, as well as disubstituted products extracted from the mixture of methylbenzylated phenols possess the greatest inhibiting ability.