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## Methylbenzylated phenols: research into the structure influence on the efficiency of antioxidant action in rubber

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## **Abstract**

Efficiency of stabilizing action of methylbenzylphenols of different structures in rubber CKII-3 has been estimated. It has been established that 2,6-dimethylbenzylphenol reveals greater efficiency as compared to mono- and trisubstituted methylbenzophenols. With the increase of the content of 2,6-dimethylbenzylphenol in mix stabilizer, obtained by the reaction of catalytic interaction of phenol with co styrene, resistance of rubber to thermal-oxidative action increases.