

UDK 541.64:66 (076.5)

*Published by the decision of the Editorial Review Board
of the Kazan National Research Technological University*

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Aging of Polymers and Polymeric Materials Caused by Environmental Impact : tutorial : In 2 parts. Part 2 / E. Cherezova [et al.]; The Ministry of Science and Higher Education of the Russian Federation, Kazan National Research Technological University. – Kazan : KNRTU Press, 2019. – 112 p.

ISBN 978-5-7882-2588-3

ISBN 978-5-7882-2590-6 (p. 2)

The main data on issues of polymer aging caused by various factors are summarized. The characteristics of macromolecular reactions in addition to thermal, thermal-oxidative degradation, degradation caused by the aggressive environment, high-energy radiation, etc. are considered.

The tutorial is intended for students studying Master Degree Program 18.04.01 «Chemical Engineering» related to such study fields as Chemical Engineering of Polymers and Polymeric Materials as well as Chemical and Physical Modification of High Molecular Compounds, Chemical Engineering of Synthetic Rubber, Chemistry and Physics of High Molecular Compounds, Catalytic Engineering in Petroleum Chemistry and Polymer Chemistry.

The tutorial is prepared by Technology of Synthetic Rubber Department.

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ISBN 978-5-7882-2590-6 (p. 2)
ISBN 978-5-7882-2588-3

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