
Deformation-Strength Properties of Latex Membranes

N. V. Amelina, P. S. Belyaev, A. S. Klinkov, I. V. Shashkov

Tambov State Technical University, Tambov, Russia

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Abstract: The paper describes the results of the experimental study of the strength properties of the latex membranes in the inflation test. The comparison of deformation-strength properties of the membranes tested in different modes of air inflation. We describe the test methodology for a pilot plant and formulas for the determination of inflatable elongation at break of the membrane. We show the influence of the structure of membranes on their strength properties.

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