

## References

1. Wortmann FJ, Schulz KV. Non-linear viscoelastic performance of Nomex, Kevlar and polypropylene fibres in a single step stress relaxation test: 2. Moduli, viscosities and isochronal stress/strain curves. *Polymer* 1995; 36, 12: 2363 – 2369.
2. Zidek J, Jancar J, Milchev A, Vilgis T. Mechanical Response of Hybrid Cross-Linked Networks to Uniaxial Deformation: A Molecular Dynamics Model. *Macromolecules* 2014; 47, 24: 8795–8807.
3. Pocienė R, Vitkauskas A. Inverse Stress Relaxation in Textile Yarns After the Blockage of Viscoelastic Recovery. *Materials science (Medžiagotyra)* 2007; 13, 3: 240 – 244.
4. Kothari VK, Rajkhowa R, Gupta VB. Stress Relaxation and Inverse Relaxation in Silk Fibers. *Journal of Applied Polymer Science* 2001; 82: 1147-1154.
5. Vitkauskas A. Viscoelastic Properties of Textile Yarns. Research Problems. *Fibres & Textiles in Easter Europe* 1998; 6, 1: 36-38.
6. Bickerton S, Buntain MJ, Somashekar AA. The Viscoelastic Compression Behavior of Liquid Composite Molding Preforms. *Composites* 2003; A 34: 431-444.
7. Van Langenhove L, Kiekens P. Resilience Properties of Polypropylene Carpets. *Journal of the Textile Institute* 1997; 67, 9: 671-676.
8. Bednarski G, Kowalski K. Assessment of Rheological Properties of Distance Weft-Knitted Fabrics, Based on Dynamic Compression and Relaxation of Forces. *Fibres & Textiles in Easter Europe* 2002; 10, 2: 42-45.
9. Miltenburg JGM. Stress Relaxation and Tensile Modulus of Polymeric Fibers. *Textile Research Journal* 1991; 61, 6: 363-369.
10. Meredith R. Relaxation of Stress in Stretched Cellulose Fibres. *The Journal of the Textile institute* 1954; 45, 6: T438 - T461.

11. Guthrie JC, Wibberley J. The Effect of Time on the Recovery of Fibres. *The Journal of the Textile institute* 1965; 56, 3: 97-103.
12. Manich AM, Ussman MH, Barella A. Viscoelastic Behavior of Polypropylene. *Textile Research Journal* 1999; 69, 5: 325-330.
13. Inoue M, Niwa M. Tensile and Tensile Stress Relaxation Properties of Wool/ Cotton Plied Yarns. *Textile Research Journal* 1997; 67, 5: 379-385.
14. Pocienė R, Vitkauskas A. Inverse Stress Relaxation and Viscoelastic Recovery of Multifilament Textile Yarns in Different Test Cycles. *Materials science (Medžiagotyra)* 2005; 11, 1: 68-72.
15. Geršak J, Šajn D, Bukošek V. A study of the relaxation phenomena in the fabrics containing elastane yarns. *International Journal of Clothing Science and Technology* 2005; 17, 3/4: 188-199.
16. Urbelis V, Petrauskas A. Influence of Hygrothermal Treatment on the Stress Relaxation of Clothing Fabrics' Systems. *Materials science (Medžiagotyra)* 2008; 14, 1: 69-74.
17. Hazavehi E, Azadiyan M, Zolghanein P. Investigation and Modelling of Stress Relaxation on Cylindrical Shell Woven Fabrics: Effect of Experimental Speed. *Fibres & Textiles in Eastern Europe* 2013; 21, 6: 64-73.
18. Matsuo M, Yamada T. Stress Relaxation Behavior of Knitted Fabrics under Uniaxial and Strip Biaxial Excitation as Estimated by Corresponding Principle between Elastic and Visco-Elastic Bodies. *Textile Research Journal* 2006; 76, 6: 465-477.
19. Pothan LA, Neelakantan NR, Rao B, Thomas S. Stress Relaxation Behavior of Banana Fiber-reinforced Polyester Composites. *Journal of Reinforced Plastics and Composites* 2004; 23, 2: 153-165.

20. Pocienė R, Žemaitaitienė R, Vitkauskas A. Mechanical Properties and a Physical-Chemical Analysis of Acetate Yarns. *Materials science (Medžiagotyra)* 2004; 10, 1: 75-79.
21. Milašius R, Milašienė D, Jankauskaitė V. Investigation of Stress Relaxation of Breathable-Coated Fabric for Clothing and Footwear. *Fibres & Textiles in Eastern Europe* 2003; 11, 2: 53-55.
22. Dubinskaitė K, Van Langenhove L, Milašius R. Influence of Pile Height and Density on the End-Use Properties of Carpets. *Fibres & Textiles in Eastern Europe* 2008; 16, 3: 47-50.
23. Shi F. Modelling Stretching-Relaxation Properties of Yarns. *Fibres & Textiles in Eastern Europe* 2013; 21, 2: 51-55.
24. Pan N, Brookstein D. Physical Properties of Twisted Structures. II. Industrial Yarns, Cords and Ropes. *Journal of Applied Polymer Science* 2002; 83, 3: 610–630.
25. Chidambaram D, Venkatraj R, Manisankar P. Solvent-Induced Modifications in Polyester Yarns. I. Mechanical Properties. *Journal of Applied Polymer Science* 2003; 87, 9: 1500–1510.
26. Milašius R, Laureckienė G. Prediction of Long-lasting Relaxation Properties of Polyester Yarns and Fabrics. *Fibres & Textiles in Eastern Europe* 2014; 22, 6: 53-55.
27. Nachane RP, Sundaram V. Analysis of Relaxation Phenomena in Textile Fibres Part I: Stress Relaxation. *The Journal of the Textile institute* 1995; 86, 1: 10-19.
28. Yamaguchi T, Kitagawa T, Yanagava T, Kimura H. Relationship between Stress Relaxation and Tensile Recovery of Filament Yarns. *Journal of the Textile Machinery Society of Japan* 1981; 27, 2: 43-49.