

STUDY REGARDING THE DEFORMABILITY OF THE MATERIAL SYSTEMS DURING THE LASTING PROCESS

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Abstract: The lasting process of the footwear uppers implies mainly a tension stress that creates elongations in the material's structure. The materials used must be resistant both during the lasting process as well as when wearing the products and must assure the shape given and the dimensional stability with time. Thus it is important to maintain the spatial shape obtained through plastic elongation during the lasting process. The elongation value is dependent on a series of technological parameters. The paper presents the research results upon the influence of the maintaining time under tensile stress and tensile speed on the elongation capacity of the leather used frequently in footwear manufacturing.

Key words: elongation, leather, manufacturing, tensile stress, plastic, lasting.