PROTECTIVE PROPERTIES AGAINST ULTRAVIOLET RADIATION OF CLOTHING TEXTIELES

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ABSTRACT *One of the most important aspects of clothing textiles is their protecting the skin from the damaging effects of ultraviolet radiation. Barrier properties to UV radiation of textiles can be improved by structural and chemical modification of their surface. In this paper we present the results of studies of the modification of clothing fabrics focused on barrier properties of UV radiation by application of UV absorber. Agent-absorber witch we used to modifications was new, created in a multi-step synthesis process. Modified fabric was knitted cotton. The effectiveness of the modification was measured on a spectro-photometer UV-Vis spectrometer and FT/IR. This publication was prepared within the key project – PO IG no. 01.03.01-00-006/08 co-financed from the funds of European Regional Development Fund within the framework of the Operational Programme Innovative Economy.*

Keywords: *Ultraviolet Protection Factor, textiles, absorbers*