



Rolul ligninei în realizarea unor sisteme adezive

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The purpose of this work is to pinpoint the impact of various types of modified / unmodified lignin in producing adhesive systems. The main objective resides in studying the interactions of individual components with the cellulosic fibers from the filter paper under a process of impregnation followed by a thermic treatment. The growth of adhesiveness has been observed through determining the level of impregnation (the rise of mass) and the level of retention (loss of mass) respectively, established after thermic treatment and water extraction in a warm place. There has also been studied the capacity of water absorption as well as the breaking strength of the samples of filter paper treated with lignin of various concentrations.