ABSTRACT:

Important properte of pressed (compacting) materials is their energy and plasticity. For their calculation is used several methods. One of values elasticity or plasticity energy from record power-line, in another metod is used elastic recovery, which is used for calculation of Young´s elastic modul and the third one value stress relaxation of tenseness. In this analyze we can get parameters as FminA, FminB, Fpl and also characterization of ralation dependence compression in the time. In this dissertation is valueted one of the most common excipient microcrystaline celulose by all these methods. Basic characteristic is Young´s elastic modul ,which is 253,794MPa and total plasticity is 995,48. We can say, that values of total plasticity means good compressible material and that plasticity increases with increasing of total plasticity.