



DURABLE PROPERTIES AND STRUCTURE OF COMPOSITIONS OF POLYPROPYLENE-POLYETHYLENE OBTAINED BY DIFFERENT WAYS

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ABSTRACT:

The measurement of durable properties and structures of composition is carried out on the basis of polypropylene (PP) and polyethylene with low density (PELD), obtained in the mixer "Benbery" and in rotor dispergator. It is shown that regulating the regime of crystallization and content of components in system PP-PELD. It is possible to change considerably the physical structure and improve the durable characteristics of composition. It is determined that the improvement of homogeneousness of composition, reaching the rotor dispergator brings to naturally increase of mechanical and electrical durability and longevity. One of the directions of science on physics of polymers is the search of ways the increase of mechanical and electrical durability as well as the heatproofness.

Key Words: *Durable properties and structures of composition of polypropylene and polyethylene, Benbery mixer, rotor dispergator.*

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