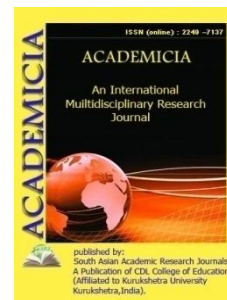


ACADEMICIA
An International
Multidisciplinary
Research Journal
 (Double Blind Refereed & Peer Reviewed Journal)



DOI: 10.5958/2249-7137.2021.02153.4

FEATURES OF POLYPROPYLENE MODIFICATION FOR FILM THREAD MANUFACTURING

Abdukarimova Saida Abdujalilovna*; **Bozorova Niyima Khudoyberdiyevna****

*Lecturer,

Department of Oil and Gas Processing Technology,
 Tashkent State University named after I. Karimov,
 Tashkent, UZBEKISTAN

**Head of the Department of the Yangier branch of the Tashkent Chemical-Technological
 Institute, Sirdarya obl., Yangier, st. Tinchlik,
 UZBEKISTAN

Email id: zavod.lab@mail.ru

ABSTRACT

The article discusses various methods for modifying polypropylene. Compositions have been developed that have improved physical and mechanical characteristics and have an optimal composition for the production of thin oriented products. A comparative analysis was carried out for various indicators: melt flow rate, ultimate strength, deformation, activation energy of thermo-oxidative destruction. Industrial approbation of some compositions has been carried out.

KEYWORDS: *Polypropylene, Composition, Approbation, Deformation.*

LITERATURE

1. White, J. L. Polyethylene, polypropylene and other polyolefins / J. L. White, D. D. Choi; lane. in English, ed. E. S. Cobcallo. - СПб .:
2. Profession, 2006. - 256 p.
3. Teraoka, I. Polymer Solutions: An Introduction to Physical Properties / I. Teraoka. – Brooklyn, N.Y.: John Wiley & Sons, Inc., 2002. – 349 p.
4. Paul, DR Polymer mixtures: in 2 tons /
5. D. R. Paul, C. B. Bucknell; per. from English ed. V. N. Kulezneva. - SPb .: Scientific bases and technologies, 2009. - T. 2: Functional connections. - 606 p.

6. An effective approach to the creation of modern polymer composite materials / E. L. Kalinchev [and others] // Polymer materials. - 2008. - No. 3. - P. 4–14.
7. La Mantia, F. Recycling of plastics / F. La Mantia; per. from English ed. G.E. Zaikova. - SPb.: Professiya, 2006. -- 400 p.
8. Polymeric products for construction. Method for determination of durability by activation energy of thermo-oxidative destruction of polymeric materials: STB 1333.0-2002. - Introduction. June 28, 2002. - Minsk: Ministry of Architecture and Construction of the Republic of Belarus, 2002. - 11 p.
9. Plastics. Tensile test method GOST 11262-80. - Introduction. 21.11.80. - M.: USSR State Committee for Standards. - 25 p.
10. Otabek Abdukarimovich Mirzaev, Shavkat Serabovich Tursunov // Theoretical substantiation of the deformed state of the shell of the feeding cylinder of spinning machines // Oriental renaissance: Innovative, educational, natural and social sciences // 2021.1092-1103 <https://cyberleninka.ru/article/n/teoreticheskaya-obosnovaniya-deformirovannogo-sostoyaniya-obolochki-pitayuschego-tsilindra-pryadilnyh-mashin>
11. T Khankelov, S Tursunov, Z Maksudov // Domestic Solid Waste Crusher // International Journal of Psychological Rehabilitation 24 (issue 07), 8090-8096 [psychosocial.com/article-category/issue](https://www.psychosocial.com/article-category/issue) <https://www.psychosocial.com/article/PR270784/18957/>
12. Tavbay Khankelov¹, Zokir Maksudov^{1*}, Nafisa Mukhamedova¹ and Shavkat Tursunov² // Crushing and screening complex for the production of compost from organic components of municipal solid waste // Interaction of Materials Resistance Science With Other General-Military Disciplines In Engineering Specialties // 2021. https://www.e3s-conferences.org/articles/e3sconf/abs/2021/40/e3sconf_conmechhydro2021_01026/e3sconf_conmechhydro2021_01026.html
13. OliyaNurova Salomovna¹, AsrorNazarov Allanazarovich², TursunovShavkatSerabovich // Interaction of Materials Resistance Science With Other General-Military Disciplines In Engineering Specialties // <https://www.annalsofrscb.ro/index.php/journal/article/view/5911>
14. TursunovShavkatSerabovich // Analysis of existing designs of crushers for crushing municipal solid waste// International Journal for Innovative Engineering and Management Research(IJIEMR) // <https://scopedatabase.com/documents/00000181/00000-84600.pdf> // 2021