Review of: "Studies of the physical and mechanical properties of the composition obtained on the basis of polyvinyl chloride, synthetic rubber ethylene propylene terpolymer, and plasticizer"

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Potential competing interests: No potential competing interests to declare.

Comments on the article “Studies of the physical and mechanical properties of the composition obtained on the basis of poly vinyl chloride, synthetic polymer ethylene propylene terpolymer, and plasticizer” by Керем Шыхалиев

Overall comments: Thanks for the review request. The author has tried his/her best to write the manuscript which is appreciated. The latest version is better than the older version titled “ Investigation of the properties of the composition obtained based on mixtures of polyvinyl chloride”. Overall, the article needs improvements. The short forms used are not explained well. It is difficult to extract the intent and outcomes from the article. There are grammatical, scientific, and typographical errors across the manuscript. Hence these must be corrected to before publishing the articles.

Additional comments to help the author are mentioned below:

Title: Is okay. Can be improved.

Abstract: Quite difficult to understand due to complex sentences and the language. Use of acronym PVX across the article needs check.

Introduction: Objectives are not set clear in the section (low durability against atmospheric and ozone, low cost? What is the intent of the study is not clear). Many acronyms are not explained (e.g. PVX, UCPE) This section contains some portion of methodology.

Methodology: This section is very important. – no clear information on Supplier of materials, Batch numbers, Sample prep, Test methods, Analysis methods are available. Plasticizer: Dactyl Phthalate- is this wrongly termed in the section? Which is not matching with what was said in Introduction.

Results and Discussion: Term Dactyl Phthalate, Dactyl Brutality needs to be checked properly. The continuity or the link is missing between the paragraphs. No correlation between the tests and supports objectives. Neither environmental/ozone nor cost impacts are justified.

No summary or conclusion of the studies given