

# Review of: "Investigation of the properties of the composition obtained based on mixtures of polyvinyl chloride"

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**Potential competing interests:** No potential competing interests to declare.

In this manuscript, the author studied the properties of mixtures and vulcanizates of polyvinyl chloride (PVC) and ethylene-propylene elastomers (SKEPT-40) with functional group polymers. The physical and mechanical properties of their technological and vulcanizates were studied. Experiments show that the sol-fraction and durability of vulcanizate in gasoline, gasoline-benzene (3:1) mixture, and meta xylol decrease with the increase of PVC content. The decrease in the sol fraction of the vulcanizate can be explained by the low swelling of PVC in the above solvents. The interpretations of the results need to be more deeply. The quantity and quality of the figures are not appropriate. We believe this research subject is promising for blending and doped polymers which have become an important part of the oil and gas industry and have many applications.

Summary: I recommend this manuscript after considering my comments in the attached file.