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Title: Mechanical and barrier properties of guar gum based nano-composite films

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Research Highlights for review

- Guar gum nanocomposite films made from organically modified and unmodified nanoclay.
- ➤ Nanoclay at 2.5 % w/w lead to improved mechanical and barrier properties of films.
- > Improved physical properties were due to intercalation of guar gum in nanoclays.
- FEG-SEM images showed better compatibility between guar gum and unmodified nanoclay.

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