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## Halloysite Nanotubes as Smart Flame retardants: A review

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### Highlights

- **HNTs are promising nanomaterials which have a tubular shape which can designed for many applications.**
- **HNTs are used to prepare polymer nanocomposites using various methods.**
- **The functionalization of HNTs surface is very important for improving dispersion in polymer.**
- **Well dispersed HNTs in polymer can enhance the flammability, thermal stability and mechanical properties of polymer.**

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