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Title: Crystallization and mechanical properties of reinforced PHBV composites using melt compounding: effect of CNCs and CNFs

Authors: Du Jun, Zhao Guomin, Pan Mingzhu, Zhuang Leilei, Li Dagang, Zhang Rui



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Highlights

1. CNCs and CNFs reinforced PHBV composites are prepared with melt compounding.
2. CNFs lead to a higher thermal stability of PHBV composites than CNCs.
3. CNCs could act as a better nucleating agent for PHBV than CNFs.
4. CNCs and CNFs show reinforcing effects in PHBV composites with low content.

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