

快报

自成核聚对苯二甲酸1,3-丙二酯结晶行为的影响

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摘要

关键词 [自成核作用](#) [聚对苯二甲酸1,3-丙二酯](#) [结晶行为](#)

分类号

THE EFFECT OF SELF-SEEDING NUCLEATION ON CRYSTALLIZATION BEHAVIOR OF POLY(TRIMETHYLENE TEREPHTHALATE)

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Abstract The effects of self-seeding nucleation on the crystallization behavior and properties of poly(trimethylene terephthalate) were studied. Differential scanning calorimetry (DSC) results indicated that the crystallization temperature of poly(trimethylene terephthalate) increased obviously (increased about 20°C) after the process of self-seeding nucleation. The results of polarized light microscopy (PLM) showed that the spherulite size decreased markedly from 40 μm to 8 μm.

Key words [Self-seeding nucleation](#) [Poly \(trimethylene terephthalate\)](#) [Crystallization behavior](#)

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