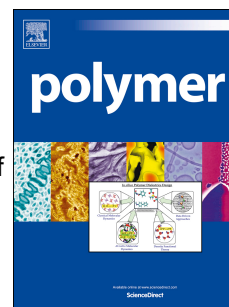


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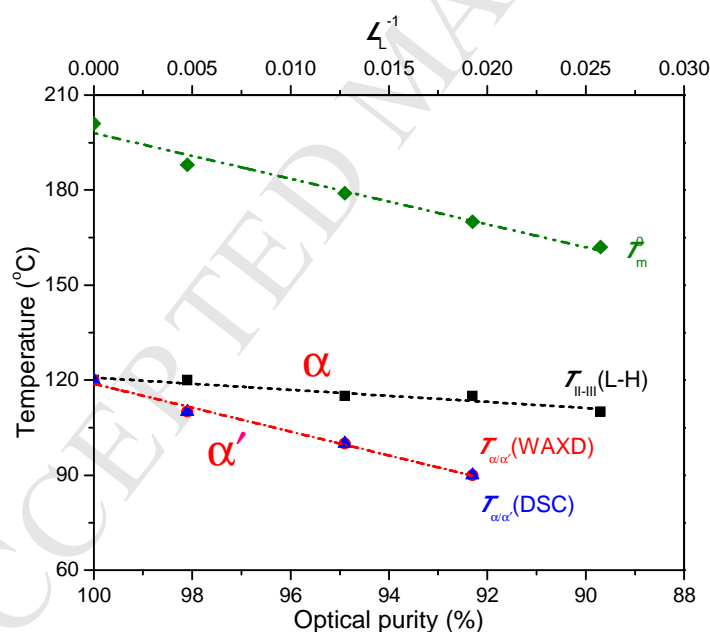
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Graphical Abstract



The critical temperatures ($T_{\alpha/\alpha'}$) for the formation of α and α' crystal modifications of PLLAs with different optical purities were obtained by WAXD and DSC, respectively. It was found that the $T_{\alpha/\alpha'}$ declined by about 10 °C for every 2~3% decrease in optical purity.

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