## Stereocomplex Formation via Aerosol Solvent Extraction System of Poly(L-lactic acid) and Poly(D-lactic acid) Crystals

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Poly(L-lactide), PLLA, and poly(D-lactide), PDLA, like other chiral polymers can form a racemate, the physical properties of which are different from those of the individual enantiomers. It is well-known that D- and L-forms of low molecular weight compounds can produce racemic crystals upon mixing if their molecular affinity is sufficiently strong. In the present study, D- and L-lactides, which are the cyclic monomers of PDLA and PLLA, respectively, possess a melting point at around 170 oC. In contrast, their racemiccompound melts at around 225 oC, a higher temperature than the melting point of PDLA and PLLA.