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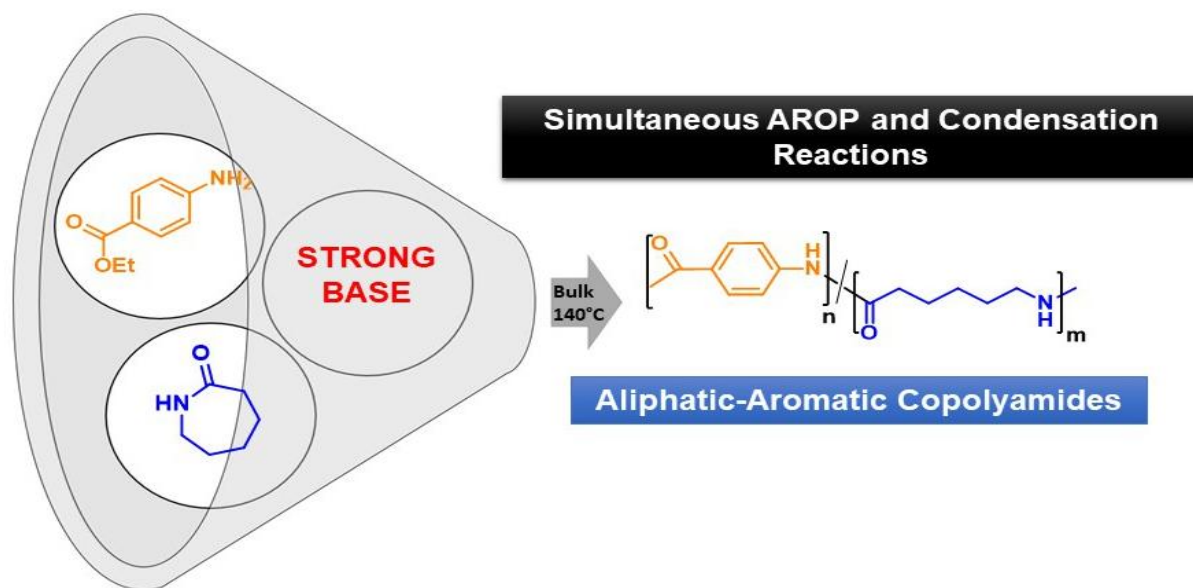
# Synthesis of Polyamide 6 with Aramid Units by Combination of Anionic Ring-Opening and Condensation Reactions

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Graphical Abstract



## Highlights

- Aliphatic-aromatic polyamides are synthesized by a « one-pot » bulk copolymerization marrying anionic ring-opening polymerization and condensation reactions.
- Copolyamides containing up to 30 mol% of aramid units in PA6 backbone are prepared.
- Easy way (140°C, bulk, strong base, activator) to synthesize high Tg (79°C) polyamide 6.

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