

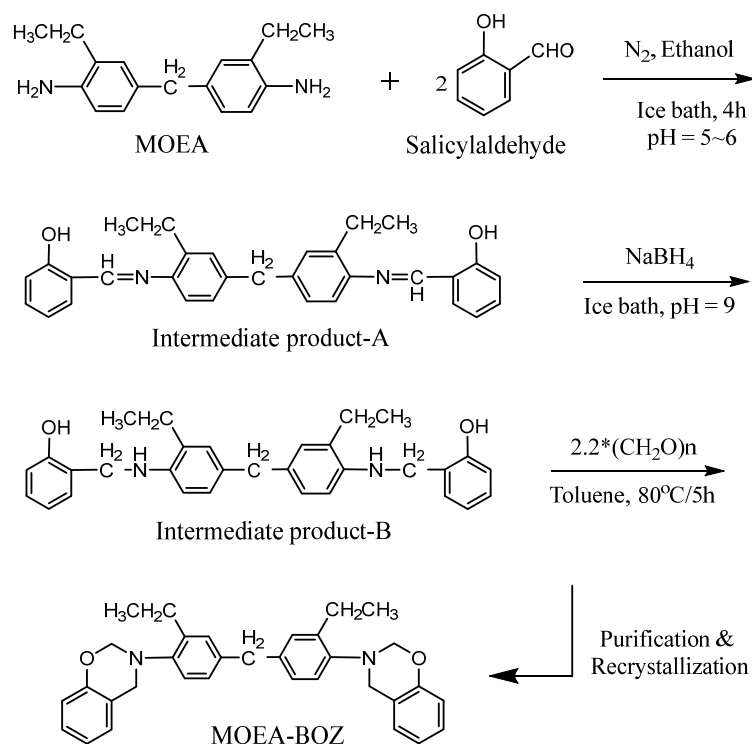
Supplementary Materials

Reaction-induced Phase Separation and Morphology Evolution of Benzoxazine/Epoxy/Imidazole Ternary Blends

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Scheme S1. Synthesis route of MOEA-BOZ monomers via a three-step procedure starting from salicylaldehyde.

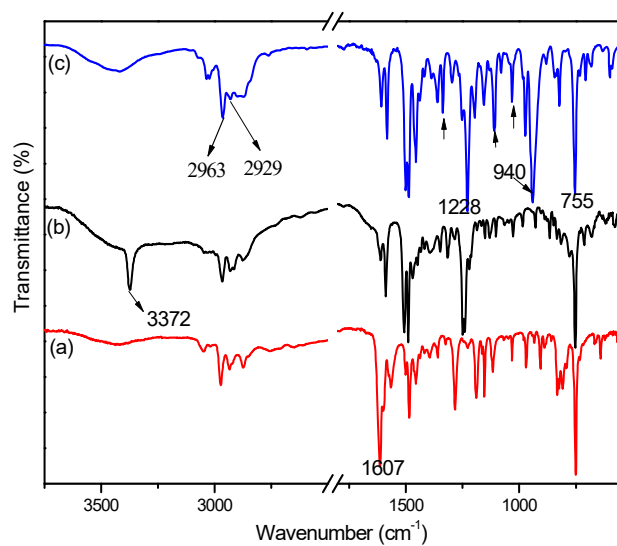


Figure S1. FTIR spectra of (a) intermediate product A, (b) intermediate product B and (c) MOEA-BOZ.

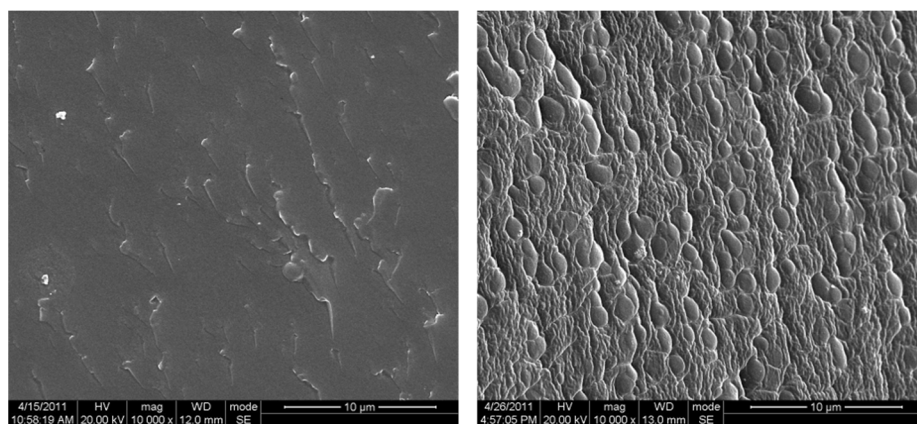


Figure S2. Phase morphology of MDA-BOZ blend with 10wt% of DGEBA-ER and 8wt% of imidazole after curing at 110 °C for 8h. (left) without etching, (right) etched with THF for 5min.

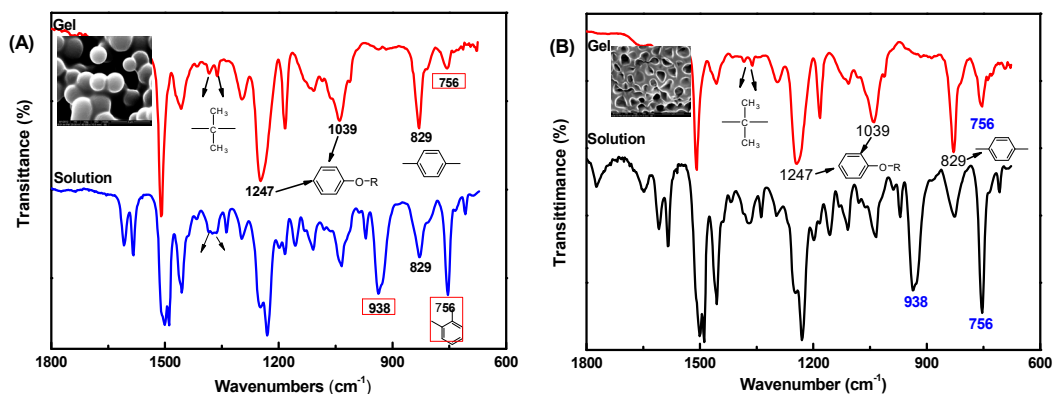


Figure S3. FTIR spectra of MOEA-BOZ/DGEBA-ER/IMZ (12wt%) blend with (A) 30wt% and (B) 50wt% of DGEBA-ER. The insets correspond to the phase morphologies of THF-insoluble parts.

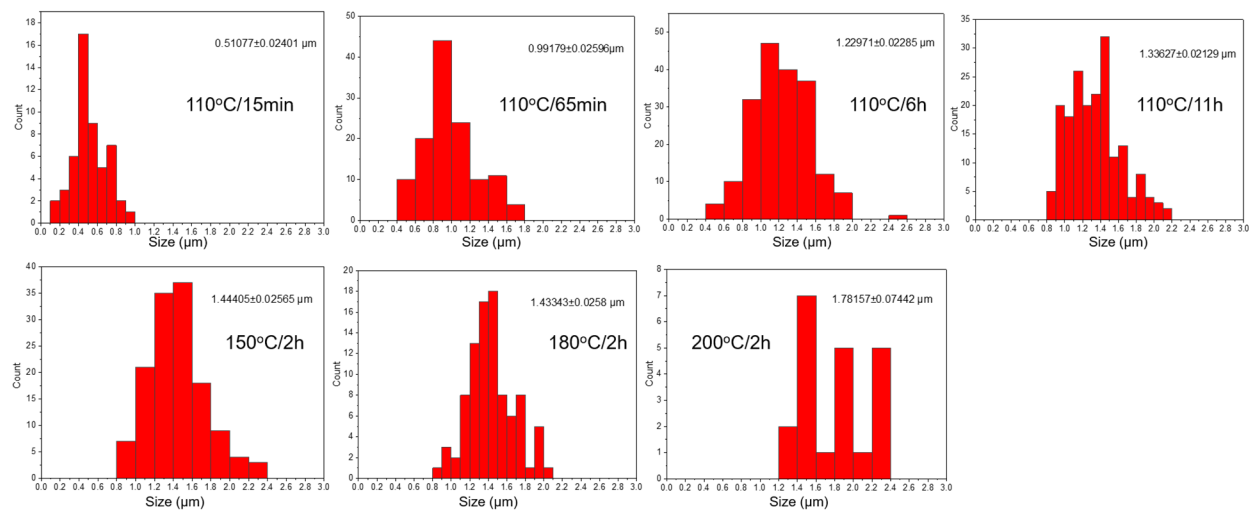


Figure S4. The particle size distributions of MOEA-BOZ/DGEBA-ER/IMZ (12wt%) blend with 30wt% of DGEBA-ER after curing at different stages. The results were calculated via Image J software (National Institutes of Health, Bethesda, MD, USA).