

Supporting Information For:

Heat-induced polycondensation reaction with self-generated blowing agent forming aromatic thermosetting copolyester foams

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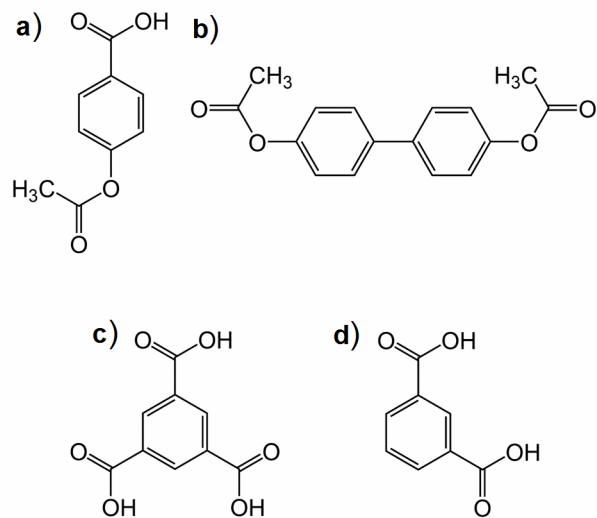


Figure S1. Chemical structures of the monomers **a)** 4-acetoxybenzoic acid (ABA), **b)** biphenol diacetate (BDPA), **c)** trimesic acid (TMA) and **d)** isophthalic acid (IPA).

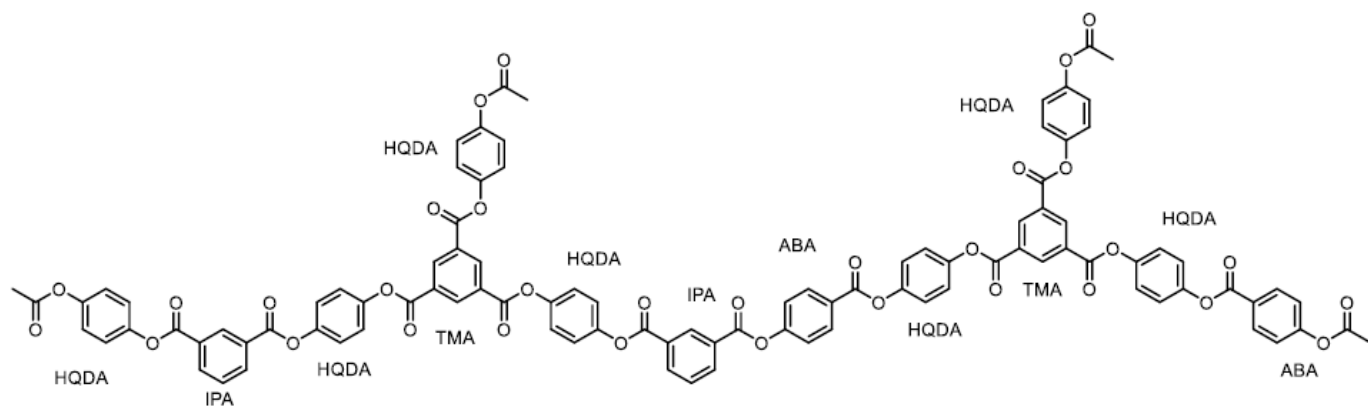


Figure S2. Chemical structure of aromatic acetoxy end-group oligomer

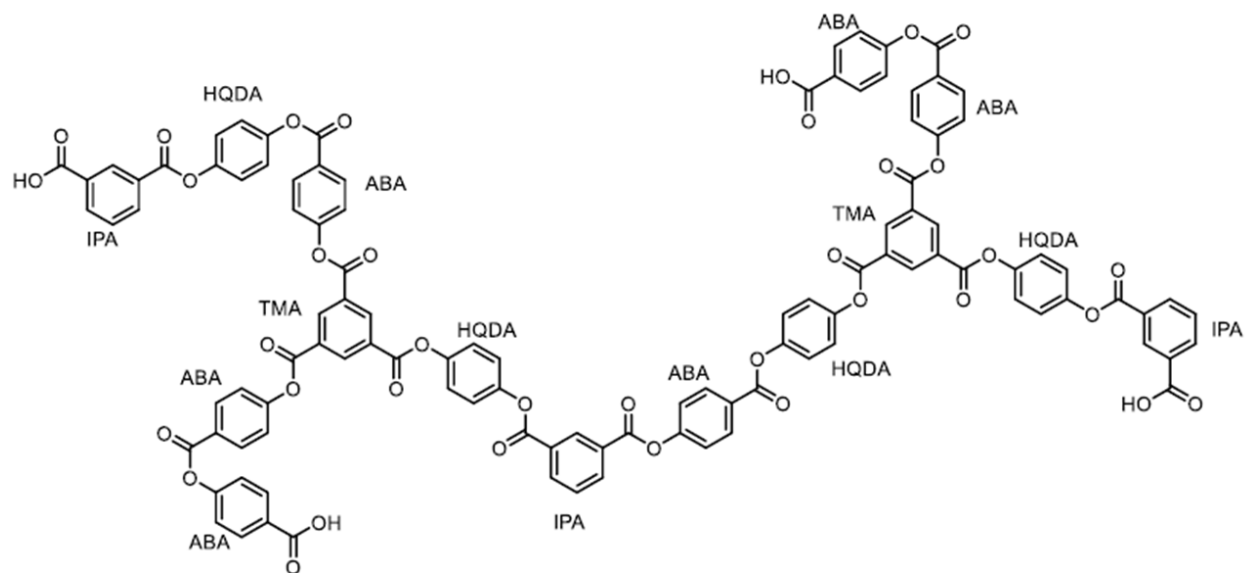


Figure S3. Chemical structure of aromatic carboxylic acid end-group oligomer

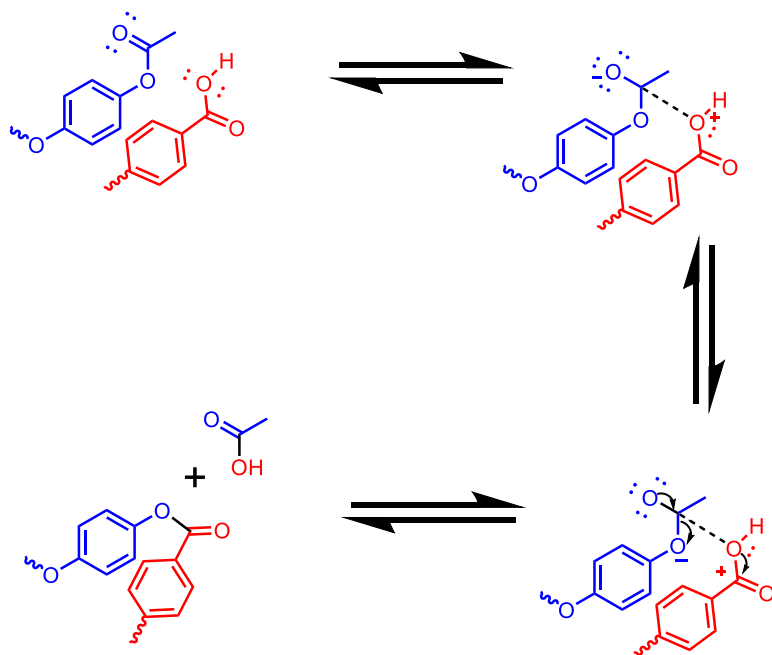


Figure S4. Cure mechanism via interchain transesterification reaction.

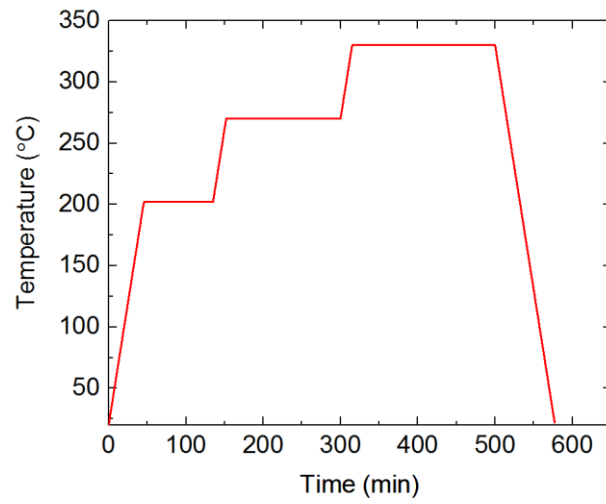


Figure S5. Cure cycle run for fabrication of physical foam products. Three temperature-hold stages set at 202 °C, 270 °C and 330 °C corresponding to the melting, the bubble growth and the cure steps of the foaming processes.