

## Thermal degradation of BPA in supercritical methanol for chemical recycling

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The decomposition characteristics of bisphenol A (BPA) in supercritical methanol should be investigated for chemical recycling of BPA based polymers in supercritical methanol. In this study, The degradation of BPA in supercritical methanol was carried out under reaction temperatures ranging from 250°C to 350°C and pressure of 10 MPa to 30 MPa. The yield of BPA was investigated at various reaction conditions. The sequences of decomposition reaction could be reasoned by the variation of gas and liquid products.