

## Supplementary Information

### **Improved electromechanical properties of brominated butyl rubber filled with modified barium titanate**

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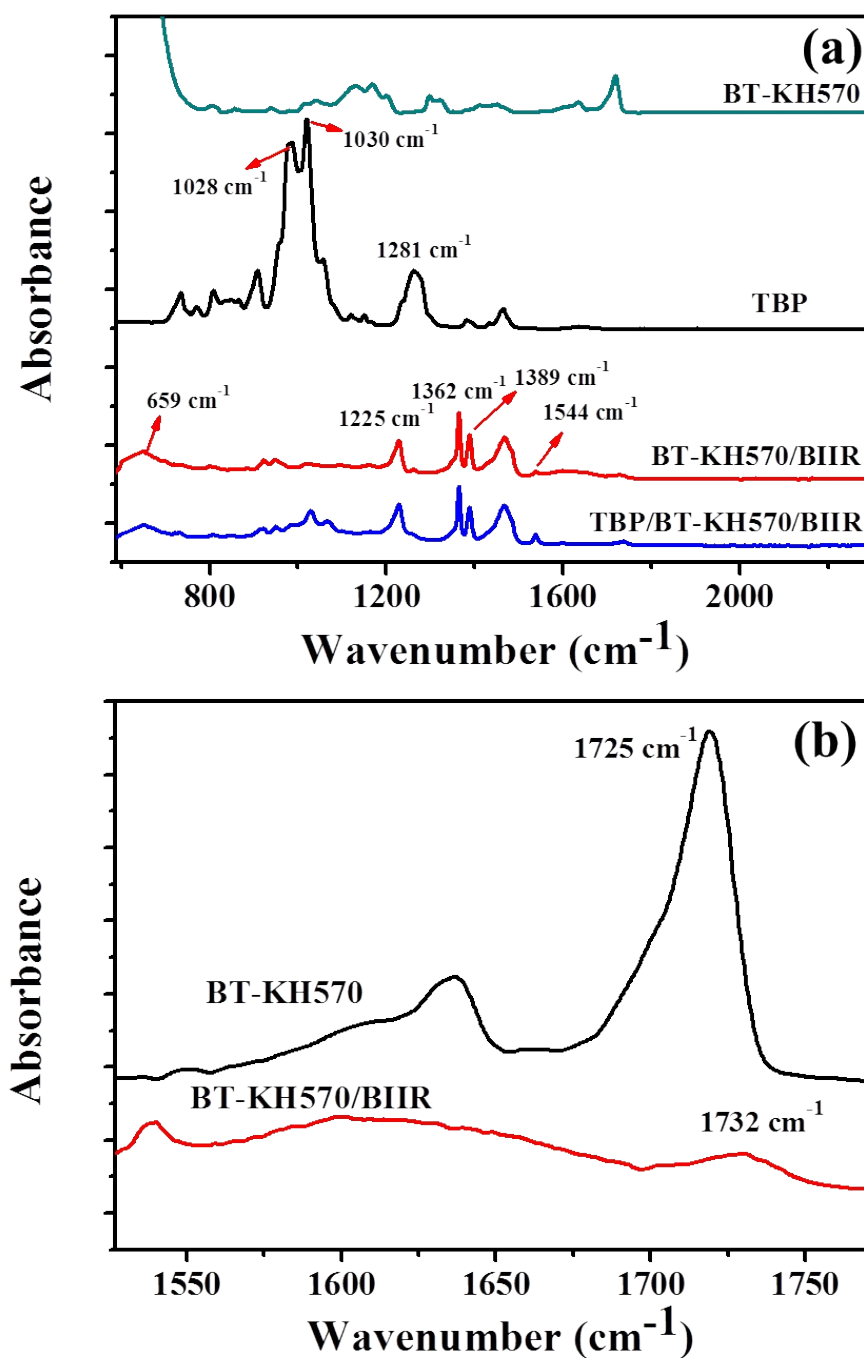


Fig.S1 FTIR spectra of (a) BT-KH570, TBP, 10 phr BT-KH570/BIIR, 30 phr TBP/(10 phr BT-KH570/BIIR) composite in the wavenumber range 584  $\text{cm}^{-1}$  to 2300  $\text{cm}^{-1}$ , (b) BT-KH570, 10 phr BT-KH570/BIIR composite in the wavenumber range 1527  $\text{cm}^{-1}$  to 1770  $\text{cm}^{-1}$ .