

Pyrolysis of Dursunbey Lignite and Pyrolysis Kinetics

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Abstract : In this study, pyrolysis characteristics of Dursunbey-Balıkesir lignite and its pyrolysis kinetics are examined. The pyrolysis experiments carried out at three different heating rates are performed by using thermogravimetric method. Kinetic parameters are calculated by Coats & Redfern kinetic model and the degree of pyrolysis process is determined for each of the heating rate.

Keywords : lignite, thermogravimetric analysis, pyrolysis, kinetics

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