

Accepted Manuscript

Title: Kinetics of Thermal Decomposition of Ketonic Resins

Authors: Appala Naidu Uttaravalli, Srikanta Dinda

PII: S2352-4928(17)30192-7

DOI: <http://dx.doi.org/doi:10.1016/j.mtcomm.2017.07.004>

Reference: MTCOMM 185



To appear in:

Received date: 13-7-2017

Accepted date: 24-7-2017

Please cite this article as: Appala Naidu Uttaravalli, Srikanta Dinda, Kinetics of Thermal Decomposition of Ketonic Resins, Materials Today Communications <http://dx.doi.org/10.1016/j.mtcomm.2017.07.004>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Kinetics of Thermal Decomposition of Ketonic Resins

Appala Naidu Uttaravalli, Srikanta Dinda*

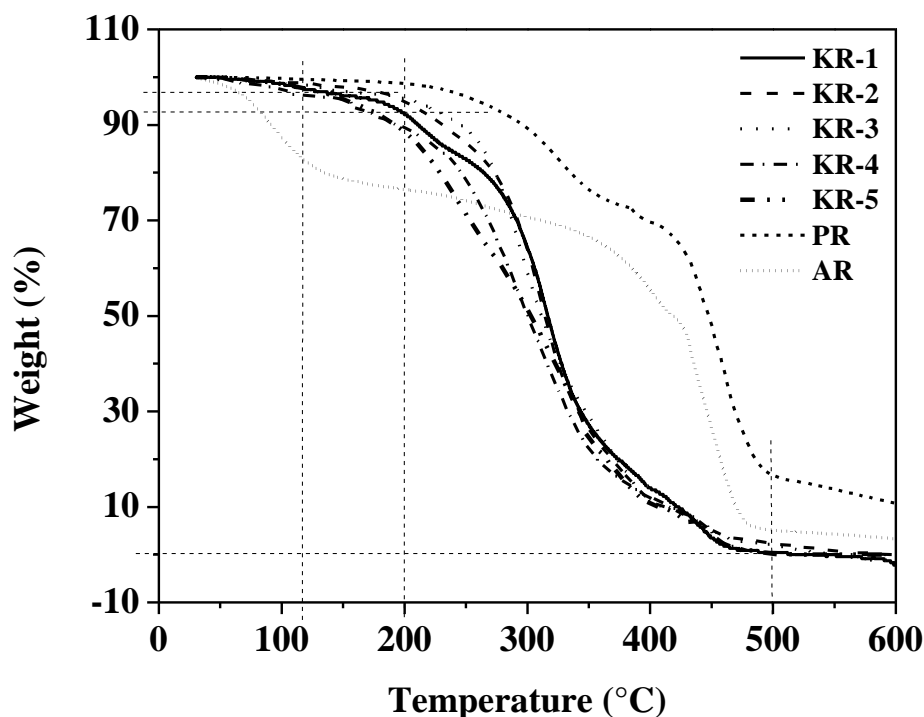
Department of Chemical Engineering, BITS Pilani Hyderabad Campus, Hyderabad – 500078, India

To whom correspondence should be addressed: Srikanta Dinda

Email: srikantadinda@gmail.com

Telephone: +91-4066303586; Fax: +91-4066303998

Graphical Abstract



Highlights

- Development of hydroxyl-functionalized resin by self-polymerization
- Analysis of thermal stability using thermogravimetric analysis
- Estimation of degradation kinetics and thermodynamic parameters
- Comparison between ketonic resin and commercial resins for coating application

Download English Version:

<https://daneshyari.com/en/article/5456861>

Download Persian Version:

<https://daneshyari.com/article/5456861>

[Daneshyari.com](https://daneshyari.com)