

Particle Characterization: Module 10, Lecture 26

1. Why do finer droplets burn faster?
2. What are the two models of droplet burning?
3. State the key assumptions in the droplet burning model.
4. Write an expression for droplet burning flux.
5. Relate the burning mass flux to associated heat flux.
6. Define blowing parameters for heat & mass transfer in droplet burning.
7. How are they related?
8. How is burning constant related to latent heat of vaporization?
9. Name 2 components of particle dissolution.
10. How are they related to particle size?
11. What are the three stages in dissolution?
12. Which of these does stirring affect and how?
13. Which of these does vibration affect and how?
14. How does sublimation differ from dissolution?
15. How is sublimation similar to burning?