

Particle Characterization: Module 8, Lecture 21

1. How do cohesive strength and cohesivity depend on particle size?
2. Identify material & roughness parameters that affect cohesion.
3. How does porosity of a tablet affect its intactness?
4. Define cohesiveness index (CI). What is its range?
5. How does CI affect discharge from silos?
6. Differentiate between hard & soft particle models of flowability.
7. How is time step selected in flowability simulations?
8. What are some limitations in validation of flowability simulations?
9. Describe coulombic failure mode of flowability testing.
10. In pipe flow of slurries, how do you estimate optimum cohesivity?