

Process Design Tool

gas phase

Chemical Kinetics

Temperature
Pressure

A2 (naphthalene)
A2R5 (acenaphthylene)
A4 (pyrene)
....

C_2H_2 C_2H_4 CH_4 H H_2
 O_2 H_2O CO_2 CO OH
...

gas/solid interaction

Inception, Surface Growth & Oxidation

Inception

PAH
adsorption

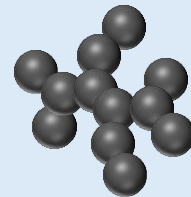
HACA

solid phase

Particle Dynamic

Coagulation

Morphology



Size Distribution