

## Coating of Thin Films on Polypropylene Beads by Plasma Process

Pham Hung Cuong, 김동주, Hoang Hai Nguyen, 김교선\*

강원대학교

(kkyoseon@kangwon.ac.kr\*)

We coated thin films on polypropylene beads using a inductively coupled plasma reactor and examined the effects of various process variables on the growth and characteristics of thin films on the particles. The morphologies and cross-sectional views of the films were analyzed by SEM. We obtained the film thicknesses coated on the beads from SEM measurements for various process conditions. The thin films grew more quickly on the beads with increasing mass flow rate of precursor, reactor pressure, or rotation speed of the reactor.