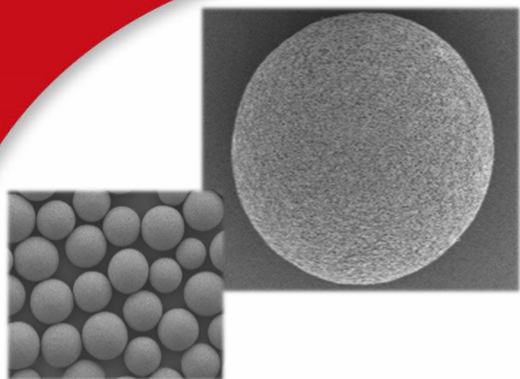


Elemental technology

Manufacturing of Spherical Composite Particles by Granulation Technology



FEATURES

Spherical composite particles, manufactured by TODA KOGYO's own granulation technology, are granular materials consisting of fillers and resins. Granules with functions derived from the fillers can be prepared. We can propose solution for your request with various types of fillers manufactured by TODA KOGYO.

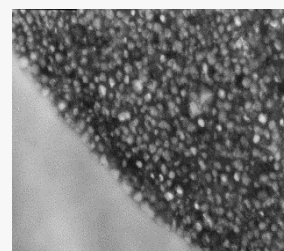
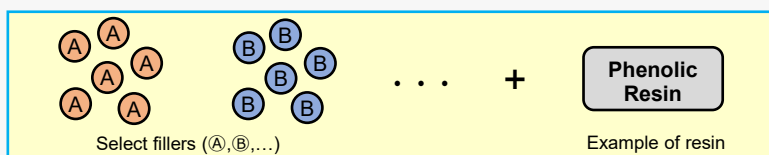
CHARACTERISTICS

- 1 High fluidity**
Our composite particles are spherical granule with high fluidity.
- 2 Control of particle properties**
Particle size ($\sim 70\mu\text{m}$) can be controlled keeping the sharp particle distribution.
- 3 High filling technology**
It is possible to prepare granules which enhance the function of fillers by our high filling technology.

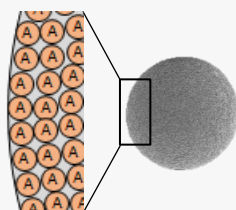
TECHNICAL INFORMATION

【Granulation structure】

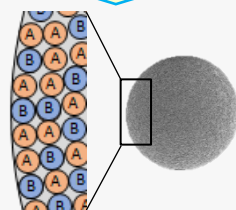
The granules can be prepared with one (a) or various kinds of fillers. In case of two kinds of fillers, random structure type (b) or double structure type (c) are manufactured.



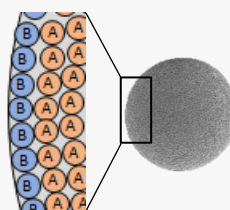
【Cross section image】
High filling of fillers structure is shown.



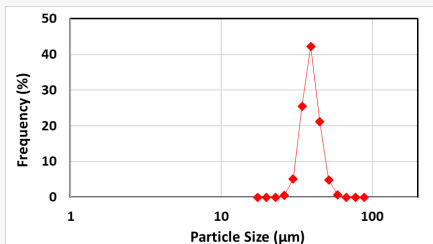
(a) One filler granulation



(b) Two kinds of fillers granulation
(Random structure type)

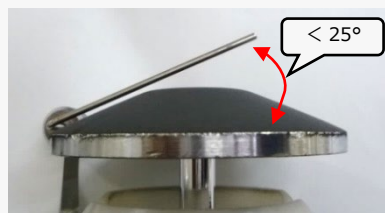


(c) Two kinds of fillers granulation
(Double structure type)



【Particle size distribution】

It shows very sharp particle size distribution.



【Angle of repose measurement】

The angle of repose is less than 25° . It shows high flowability categorized as "extremely good" in the fluidity index.

