

METHOD FOR MANUFACTURING SPHEROIDAL ALUMINA PARTICLES

ABSTRACT

The present invention concerns spheroidal alumina particles, catalysts comprising such particles as a support and a process for the production of spheroidal alumina particles, comprising the following steps:

- a) preparing a suspension comprising water, an acid and at least one boehmite powder for which the ratio of the crystallite dimensions in the [020] and [120] directions obtained using the Scherrer X-ray diffraction formula is in the range 0.7 to 1;
- b) adding a pore-forming agent, a surfactant and optionally water, or an emulsion comprising at least one pore-forming agent, a surfactant and water to the suspension of step a);
- c) mixing the suspension obtained in step b);
- d) shaping the spheroidal particles by the oil-drop method using the suspension obtained in step c);
- e) drying the particles obtained in step d);
- f) calcining the particles obtained in step e).

[No Figure]