

**Abstract:**

The invention relates to a process for producing polyacrylate particles by way of suspension polymerization and subsequent agglomeration. It was based on the problem of specifying a process for producing polyacrylate particles having defined shape and size, which enables improved heat management and requires a minimum amount of organic substances. Mechanical operating steps for establishing the shape and size of the particles – especially grinding and sieving – are to be avoided in order to produce a minimum amount of undersize. Finally, it is to be possible to implement the process economically on an industrial scale. An essential aspect of the process of the invention is that the steps of polymerization and agglomeration are conducted in separate apparatuses, namely suspension polymerization in a continuously operated capillary reactor and agglomeration in a batchwise reactor. The use of microstructured apparatuses is a further significant aspect of the invention.

Figure 1 relating to abstract