

ABSTRACT

A polyvinylacetal resin powder with a low metal content, being excellent in transparency, moisture resistance and electrical insulating properties and having a large  
5 specific surface area, and a process for its production, are presented. A polyvinylacetal resin powder obtained by reacting polyvinyl alcohol and an aldehyde in the presence of an acid catalyst, which has an acetalization degree of at least 60 mol%, a specific surface area of  
10 from 1.50 to 3.50 m<sup>2</sup>/g, a bulk density of from 0.12 to 0.19 g/cm<sup>3</sup>, an average particle diameter of from 0.5 to 2,5 µm and a metal content of at most 80 ppm.

It is produced, for example, by feeding a reaction fluid containing polyvinyl alcohol, an aldehyde and an  
15 acid catalyst into a first reactor, to carry out an acetalization reaction, discharging the reaction fluid wherein the acetalization degree has reached from 10 to 60 mol%, and feeding the same into a second reactor to carry out a further reaction to bring the acetalization  
20 degree of polyvinylacetal to at least 65 mol%.