

ABSTRACT

The present invention relates to a dispersant for calcium carbonate, which leads to a calcium carbonate slurry having a reduced initial viscosity by wet grinding and prevents a significant increase in viscosity of the slurry with passage of time, and a continuous production method thereof. The present dispersant for calcium carbonate is produced by a method including a polymerization process and a neutralization process sequentially, and the method is characterized in that the polymerization process is a process in which a monomer containing acrylic acid, an IPA aqueous solution, a hypophosphite, a persulfate, and sodium hydroxide are continuously supplied to a reactor, and the monomer is continuously polymerized, and the IPA, hypophosphite, persulfate and sodium hydroxide are supplied in amounts of 15-100 parts by mass, 2.0-5.0 parts by mass, 0.5-2.0 parts by weight, and 5.0-20 parts by mass, respectively, relative to 100 parts by mass of the monomer, a reaction temperature in the polymerization process is between 68°C and 82°C, and the neutralization rate in the neutralization process is in the range from 15-95 mol%.