

Title (en)

Method for the preparation of high-density zeolite granules.

Title (de)

Verfahren zur Herstellung zeolithhaltiger Granulate hoher Dichte.

Title (fr)

Méthode de préparation de granules en zéolite de haute densité.

Publication

EP 0368137 A1 19900516 (DE)

Application

EP 89120266 A 19891102

Priority

DE 3838086 A 19881110

Abstract (en)

In a process for producing granules with high apparent density, containing fine crystalline zeolite and salts of (co)polymeric carboxylic acids, in particular acrylic acid-maleic acid copolymers, a dried preliminary mixture of the zeolite and polycarboxylate is prepared, converted to granules with simultaneous addition of water, and dried. The granules contain 60 to 80 wt.% of zeolite (calculated on the anhydrous basis), 2 to 15 wt.% of polycarboxylate and 14 to 25 wt.% of water, including the water bound to the zeolite.

Abstract (de)

Granulate mit hohem Schüttgewicht, enthaltend feinkristallinen Zeolith und Salze (co-)polymerer Carbonsäuren, insbesondere Acrylsäure-Maleinsäure-Copolymere, werden in der Weise hergestellt, daß man zunächst ein trockenes Vorgemisch des Zeoliths und des Polycarboxylates herstellt, das anschließend unter Zusatz von Wasser in ein Granulat überführt und getrocknet wird. Die Granulate enthalten 60 bis 80 Gew.-% Zeolith (wasserfrei gerechnet), 2 bis 15 Gew.-% Polycarboxylat und 14 bis 25 Gew.-% Wasser einschließlich des an Zeolith gebundenen Wassers.

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Citation (search report)

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