

Abstract

FLUIDIZED BED REACTOR FOR GAS PHASE OLEFIN POLYMERIZATION,
PROCESS FOR POLYMERIZING OLEFIN AND PROCESS FOR PRODUCING
OLEFINIC POLYMER

There are provided:

(1) a fluidized bed reactor for gas phase olefin polymerization, which has at least one drawing-out means for drawing out olefinic polymer powder within every zone of:

(i) a zone (zone X) from a gas distribution plate to a height L_1 satisfying the following formula (1); and

(ii) another zone (zone Y) from a height L_2 satisfying the following formula (2) to a powder level height of a fluidized bed,

$$L_1 < 0.1 \times D \quad (1)$$

$$L_2 = 0.1 \times D \quad (2)$$

wherein L_1 is a height from the gas distribution plate to an upper limit of said zone X; L_2 is a height from the gas distribution plate to a lower limit of said zone Y; and D is the inside diameter of the fluidized bed reactor for gas phase polymerization, in which the olefinic polymer powder forms the fluidized bed,

(2) a process for polymerizing olefin and

(3) a process for producing an olefinic polymer,

each of which processes comprises the steps of:

(i) polymerizing an olefin in the aforesaid reactor;

and

(ii) drawing out the produced olefinic polymer powder through the aforesaid drawing-out means for drawing out the olefinic polymer powder.

This Sheet Has Been Replaced

