RESEARCH NOTES

垂直稀相气力输送实验研究

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摘要 An experimental study of vertical gas conveying of Geldart-D powder as a dilute phase is

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关键词 <u>Geldart-D particle</u> <u>dilute gas conveying</u> <u>choking</u> <u>pressure drop</u> 分类号

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Experimental Study on Vertical Dilute Phase Gas Conveying

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Abstract An experimental study of vertical gas conveying of Geldart-D powder as a dilute phase is performed ina pipe of length 22 m and internal diameter 0.05 m using a fluidized blow tank at gas velocity ranging from 5 m.s-1to 13m.s-1 and loading ratio up to about 30. The characteristics of gas conveying, such as pressure drop, thechoking velocity and the minimum primary velocity of the fluidized blow tank, are discussed in detail.

Key words Geldart-D particle; dilute gas conveying; choking; pressure drop

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