

[ABSTRACT]

There is provided a method for producing isobutylene, in which isobutylene is produced from isobutanol with a high selectivity while suppressing a decrease in the isobutanol conversion rate under pressure. In the method for producing isobutylene according to the present invention, a raw material gas containing isobutanol is brought into contact with a catalyst to produce isobutylene from isobutanol, the method including bringing the raw material gas containing isobutanol into contact with a catalyst at a linear velocity of 1.20 cm/s or more under a pressure of 120 kPa or more in terms of absolute pressure to produce isobutylene from isobutanol.

Fig. 2 accompanies abstract