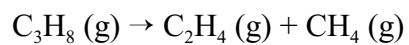


from Smith, Van Ness, and Abbott, 6th ed.

13.16 For the cracking reaction:



the equilibrium conversion is negligible at 300K, but becomes appreciable at temperatures above 500K. For a pressure of 1 bar, determine:

- a) The fractional conversion of propane at 625K [at equilibrium].
- b) The temperature at which the [equilibrium] fractional conversion is 85%.