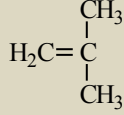
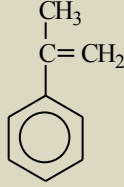


HAFTA-13

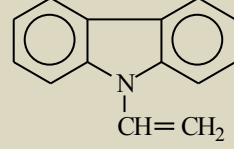
KATYONİK POLİMERİZASYON KİNETİĞİ



izobütülen



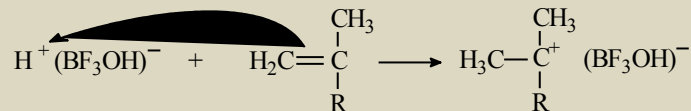
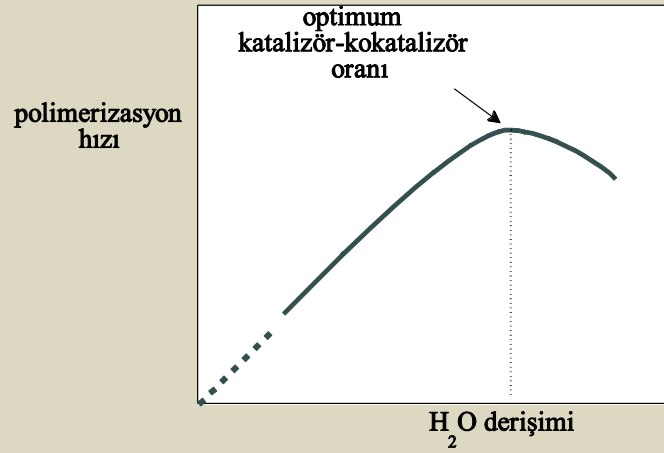
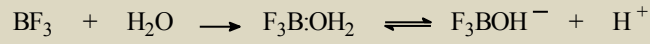
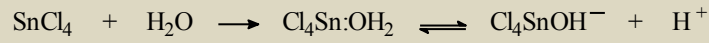
α -metil stiren



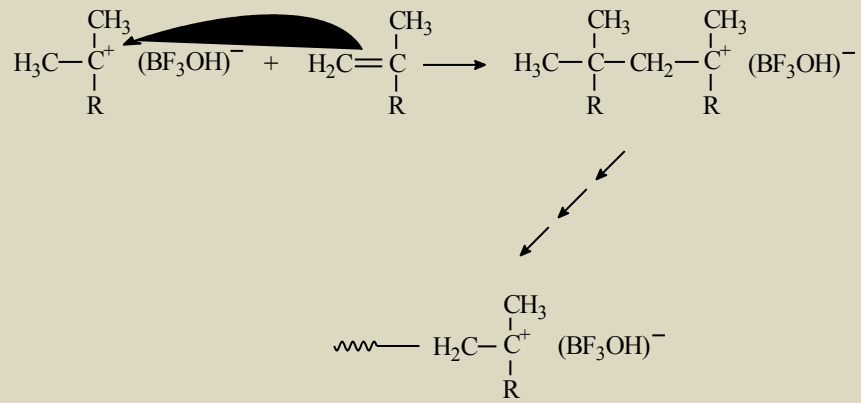
N-vinil karbazol

başlama

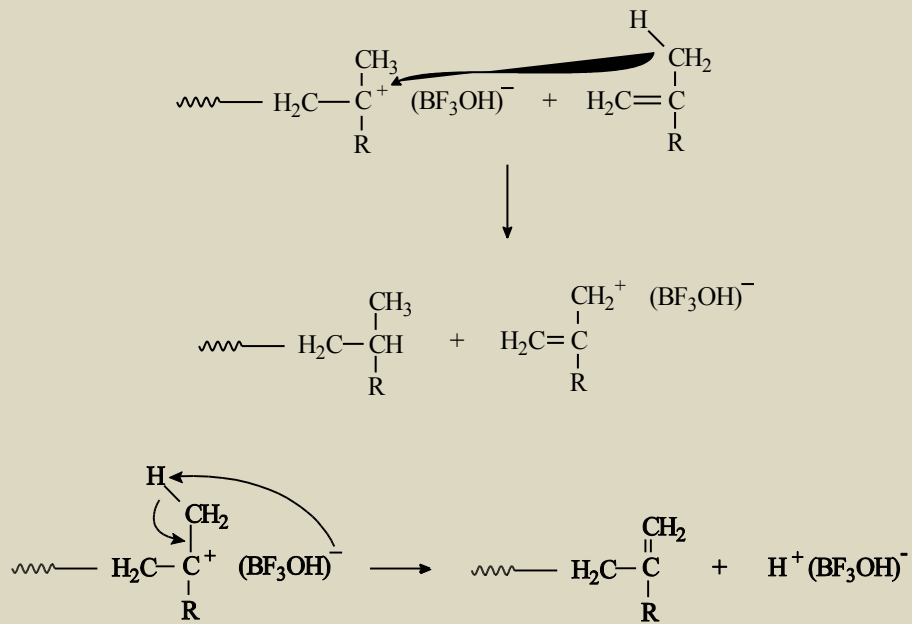
kuvvetli protonik asitler



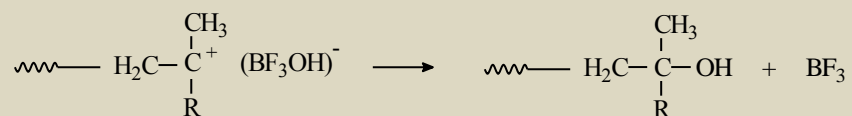
büyüme



zincir transferi

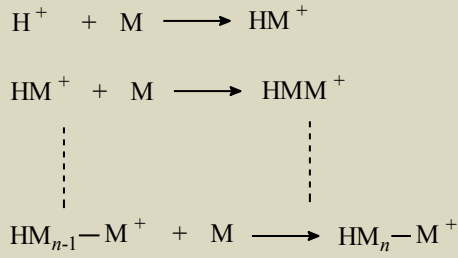
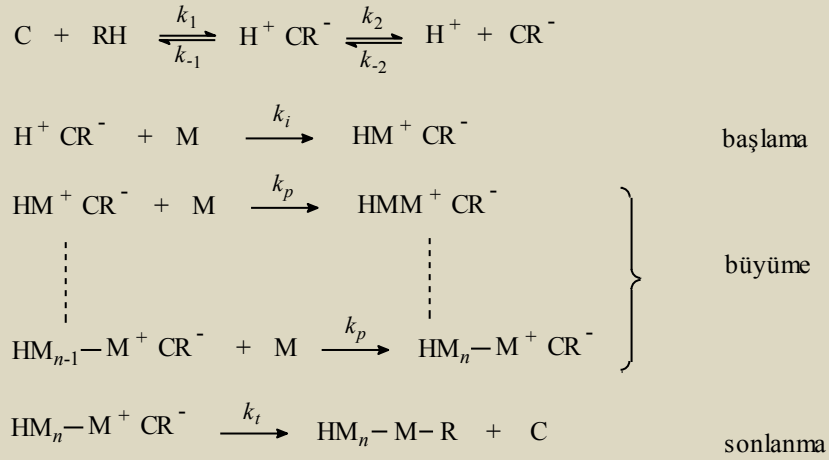


sonlanma



KATYONİK POLİMERİZASYON KİNETİĞİ

mekanizma



hız

$$r_p = -\frac{d[M]}{dt} = k_p [M] \sum [HM_n - M^+ CR^-]$$

$$r_i = k_t \sum [HM_n - M^+ CR^-]$$

$$r_t = r_i$$

$$\sum [HM_n - M^+ CR^-] = \frac{r_i}{k_t}$$

$$r_p = \left(\frac{k_p}{k_t} \right) [M] r_i$$

$$r_i = k_i [M] [H^+ CR^-]$$

$$K = \frac{k_1}{k_{-1}} = \frac{[\text{H}^+ \text{CR}^-]}{[\text{C}][\text{RH}]}$$

$$[\text{H}^+ \text{CR}^-] = K[\text{C}][\text{RH}]$$

$$r_i = K k_i [\text{M}][\text{C}][\text{RH}]$$

$$r_p = \left(\frac{K k_i k_p}{k_t} \right) [\text{C}][\text{RH}][\text{M}]^2$$