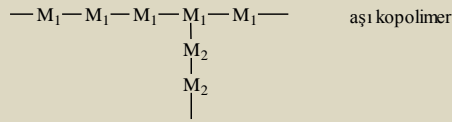
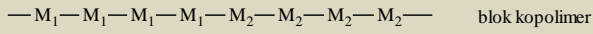
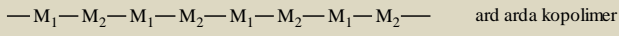
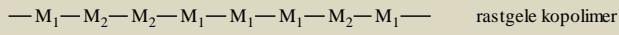
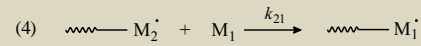
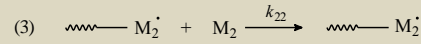
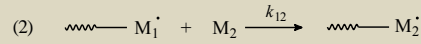


BÖLÜM 8 KOPOLİMERİZASYON

8.1 RADİKALİK KOPOLİMERİZASYON



radikalik kopolimerizasyon kinetiği



$$\frac{d[\text{M}_1]}{d[\text{M}_2]} = \frac{[\text{M}_1]}{[\text{M}_2]} \left(\frac{k_{11} \frac{k_{21}[\text{M}_1]}{k_{12}} + k_{21}[\text{M}_2]}{k_{21}[\text{M}_1] + k_{22}[\text{M}_2]} \right)$$

$$r_1 = \frac{k_{11}}{k_{12}} \quad r_2 = \frac{k_{22}}{k_{21}}$$

$$\frac{d[\text{M}_1]}{d[\text{M}_2]} = \frac{[\text{M}_1]}{[\text{M}_2]} \left(\frac{r_1[\text{M}_1] + [\text{M}_2]}{[\text{M}_1] + r_2[\text{M}_2]} \right)$$

i) $r_1 \cong r_2 \cong 1$, rastgele kopolimer, ideal kopolimerizasyon

ii) $r_1 \cong 0$ ve $r_2 \cong 0$, ardışık kopolimer

Biçimlendirilmiş: Başlık 1, Heceleme yok

Biçimlendirilmiş: Heceleme yok

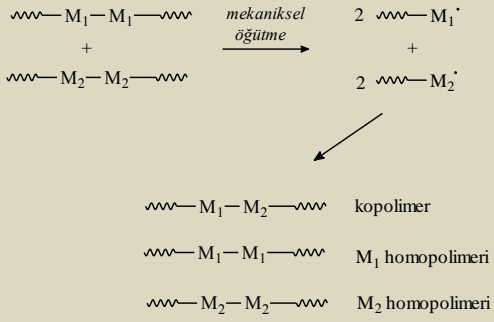
alfrey-price eşitliği

$$r_1 = \frac{Q_1}{Q_2} e^{-[e_1(e_1-e_2)]}$$

$$r_2 = \frac{Q_2}{Q_1} e^{-[e_2(e_2-e_1)]}$$

8.2 İYONİK KOPOLİMERİZASYON

8.3 BLOK KOPOLİMERLER



8.4 AŞI KOPOLİMERLERİ

