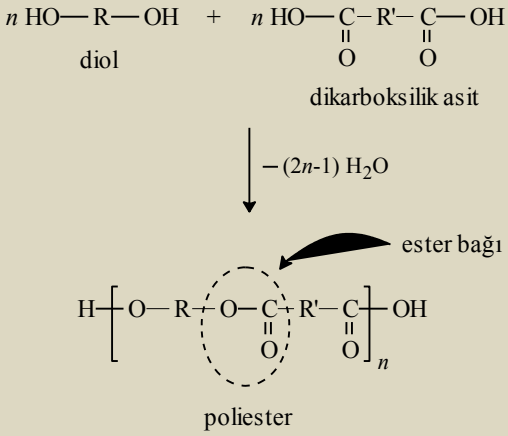
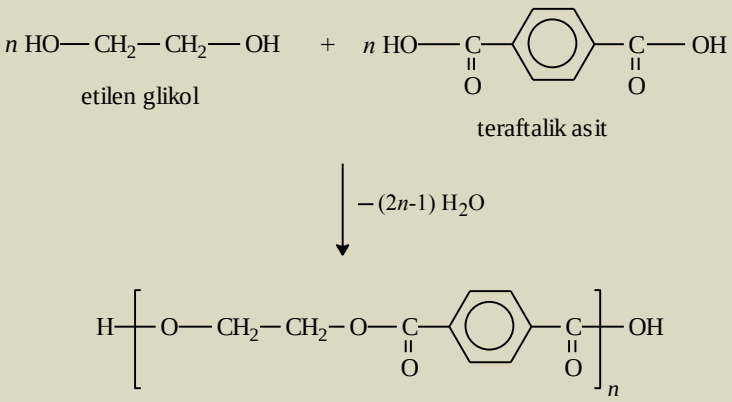
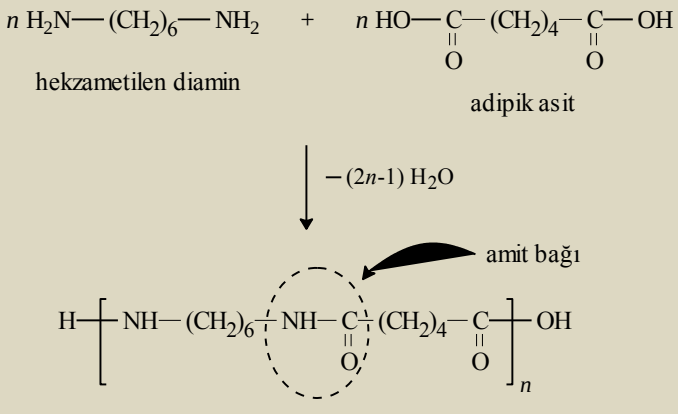
POLİMERLER

POLİMERLERİN SENTEZİ

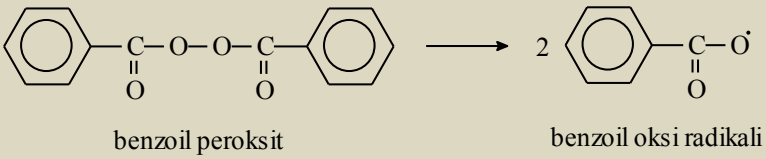
basamaklı polimerizasyon





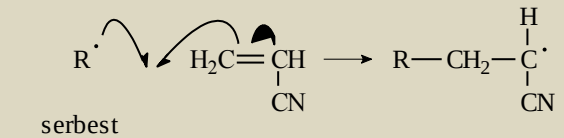


katılma polimerizasyonu



benzoil peroksit

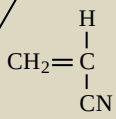
benzoil oksi radikali

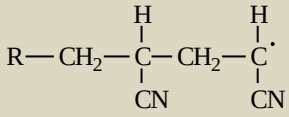


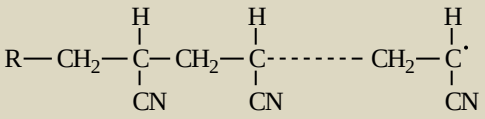
serbest radikal

monomer (akrilonitril)

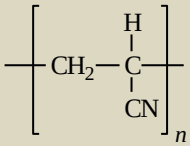
ilk monomerik aktif merkez



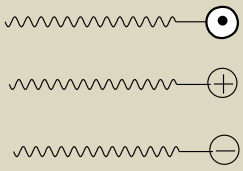




büyümekte olan polimer zinciri (radikalik aktif zincir)



polimer (poliakrilonitril)



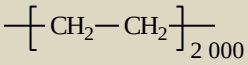
radikalik aktif zincir

katyonik aktif zincir

anyonik aktif zincir

POLİMERLERE YÖNELİK BAZI KAVRAMLAR

mol kütlesi



başlatıcı

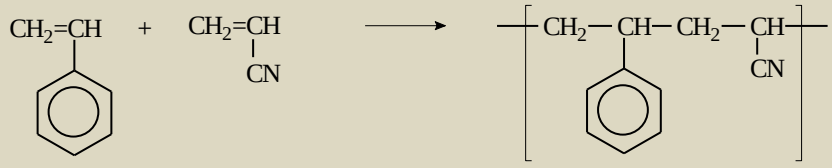
oligomer

çıkış maddesi

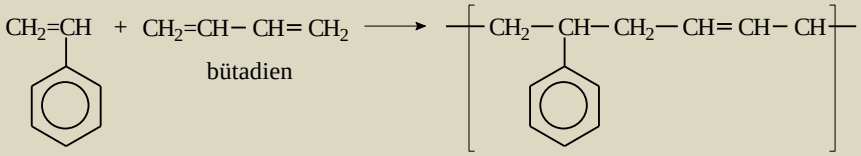
polimerizasyon derecesi

$$M_p = D_p \, M_m \qquad (2.1)$$

homopolimer, kopolimer



stiren akrilonitril stiren-akrilonitril kopolimeri



stiren bütadien stiren-bütadien kopolimeri

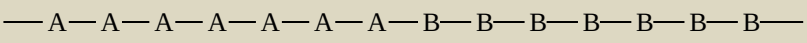
kopolimer türleri

—— A — B — B — A — A — A — B — A — B — B — B — A — B ——

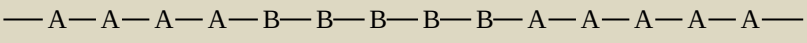
rastgele kopolimer

—— A — B — A — B — A — B — A — B — A — B — A — B — A ——

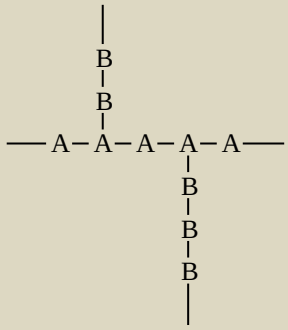
ardışık kopolimer



iki bloklu kopolimer

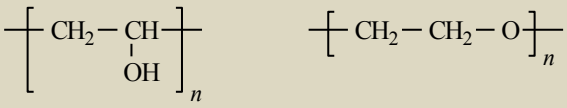


üç bloklu kopolimer



aşı kopolimer

2.3 POLİMERLERİN STEREOKİMYASI



poli(vinil alkol) $T_e = 260\ ^oC$

poli(etilen oksit) $T_e = 60\ ^oC$

konfigürasyon

Konfigürasyon, bir molekülün atom kaybı ya da katılması olmadan bağ değişiklikleri ile alabileceği şekiller için kullanılan