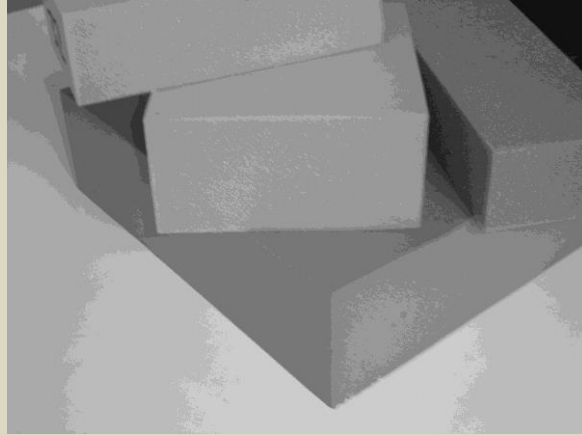


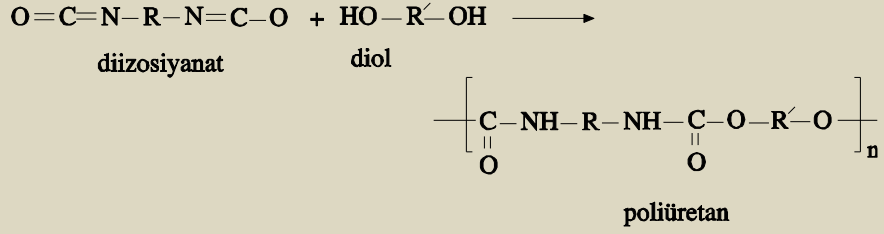
# POLİMER KÖPÜKLERİ

## 13.1 POLİMERİK KÖPÜK YAPIMINDA KULLANILAN POLİMERLER

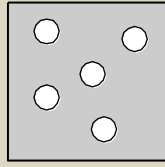
poliüretan	polietilen
polistiren	polipropilen
poli(vinil klorür)	epoksiler
etilen kopolimerleri	selüloz asetat
silikonlar	üre-formaldehit
iyonomerler	fenol-formaldehit



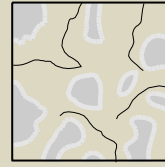
## 13.2 POLİÜRETAN KÖPÜKLER



## 13.3 POLİMERİK KÖPÜKLERİN GRUPLANDIRILMASI



(a)



(b)

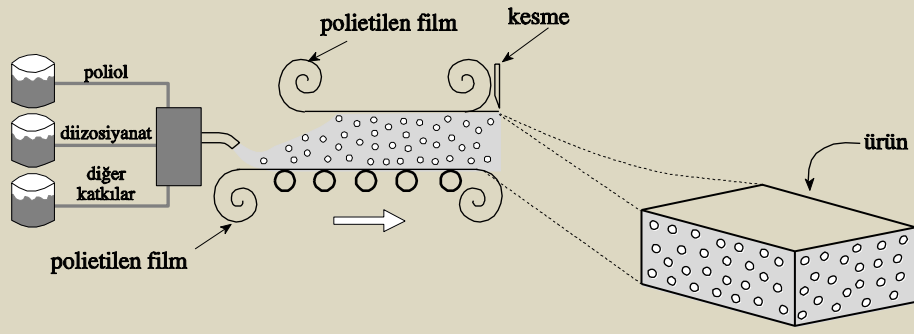
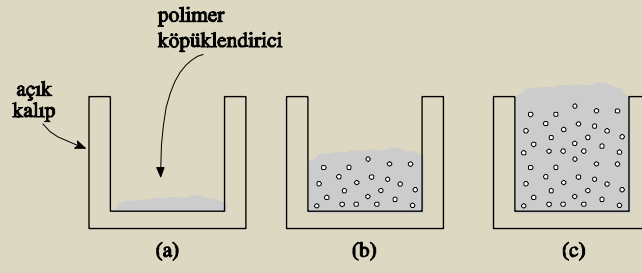
## 13.5 KÖPÜK OLUŞTURMA YÖNTEMLERİ

- mekaniksel köpüklendirme
- kimyasal köpüklendirme
- fiziksel köpüklendirme
- içi boş cam küreler kullanma

## 13.6 POLİMER KÖPÜKLERİNİN ÜRETİMİ

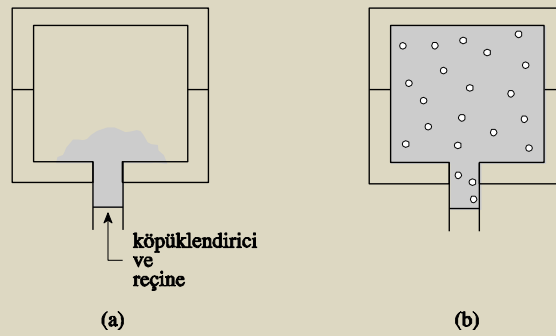
- 
- 
- 
- döküm
- püskürtme
- kapalı kalıp içerisinde köpüklendirme
- yerinde köpüklendirme

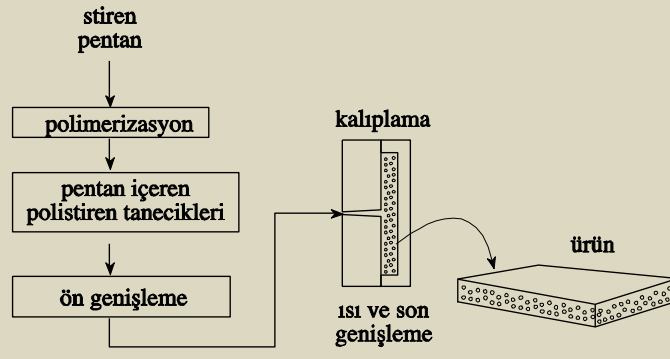
### 13.6.1 DÖKÜM



### 13.6.2 PÜSKÜRTME YÖNTEMİ

### 13.6.3 KAPALI KALIP İÇERİSİNDE KÖPÜKLENDİRME





### 13.6.4 YERİNDE KÖPÜKLENDİRME

