

Mühendislik Fakültesi



Kimya Mühendisliği Bölümü

KMB322-Polimer Kimyası ve Teknolojisi

Dr. Öğr. Üyesi, İsa DEĞİRMENCI

Polimerlere Giriş (Polimerlerin Genel Tanıtımı)

KMB322-Polimer Kimyası ve Teknolojisi

Hafta-1



Derste İstifade Edilebielcek Kaynaklar

Polimer Teknolojisi, Prof. Dr. Mehmet Saak
Polimer Kimyası, Prof. Dr. Mehmet Saak

Dersin Sınavları

1 Ara Sınav + 1 Final

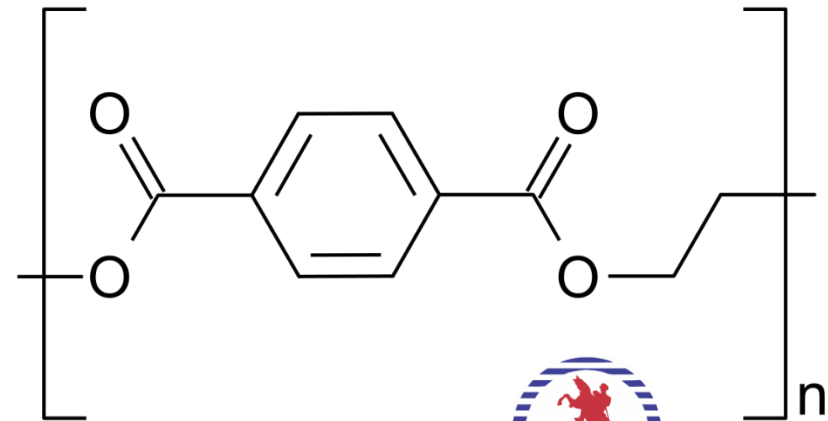


1. Hafta: Polimerler Nedir? Endüstriyel Uygulamaları
2. Hafta: Polimerlerin Tepkimeleri
3. Hafta: Bakalit
4. Hafta: Poliesterler
5. Hafta: Poliamitler
6. Hafta: Poliüretanlar
7. Hafta: Poliüreler
8. Hafta: Radikal Polimerizasyonu
9. Hafta: Vize Haftası
10. Hafta: Anyonik Polimerizasyon
11. Hafta: Basamaklı Polimerizasyon ve Katılma Polimerizasyonu Özellikleri
12. Hafta: Kopolimerizasyon
13. Hafta: Vulkanizasyon
14. Hafta: Rayon Sentezi
15. Hafta: Final Haftası



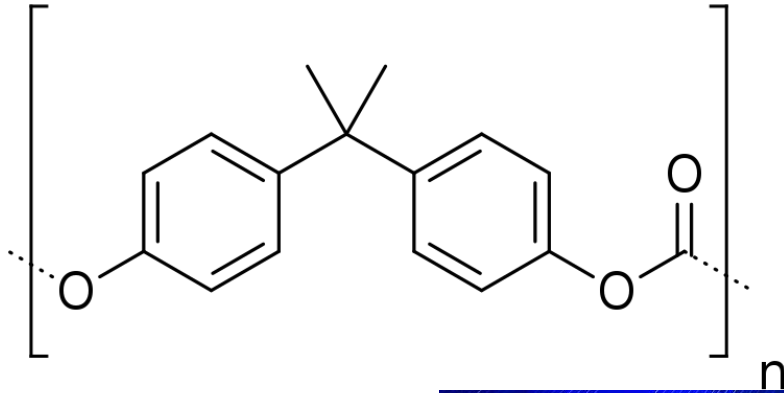
Bakelite (Bakalit)-1907



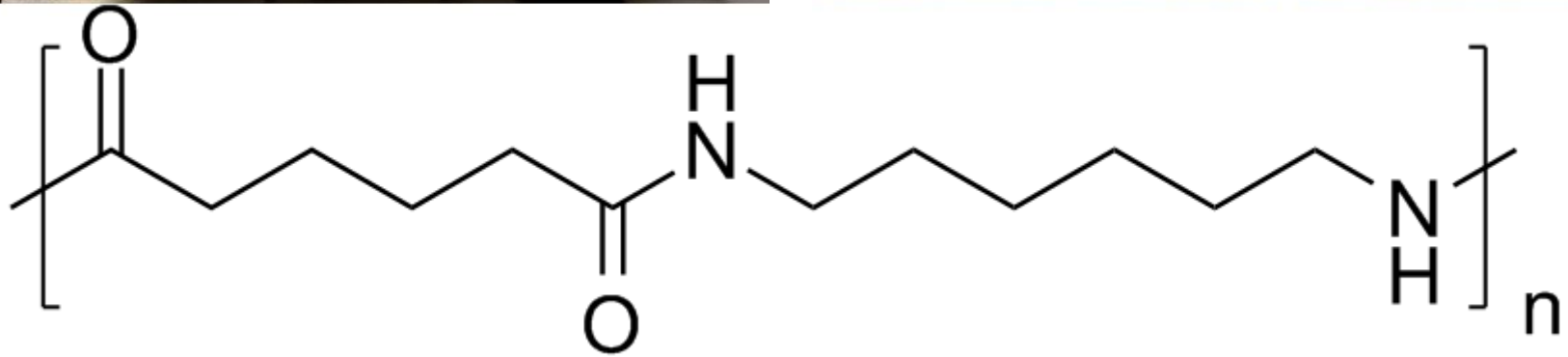
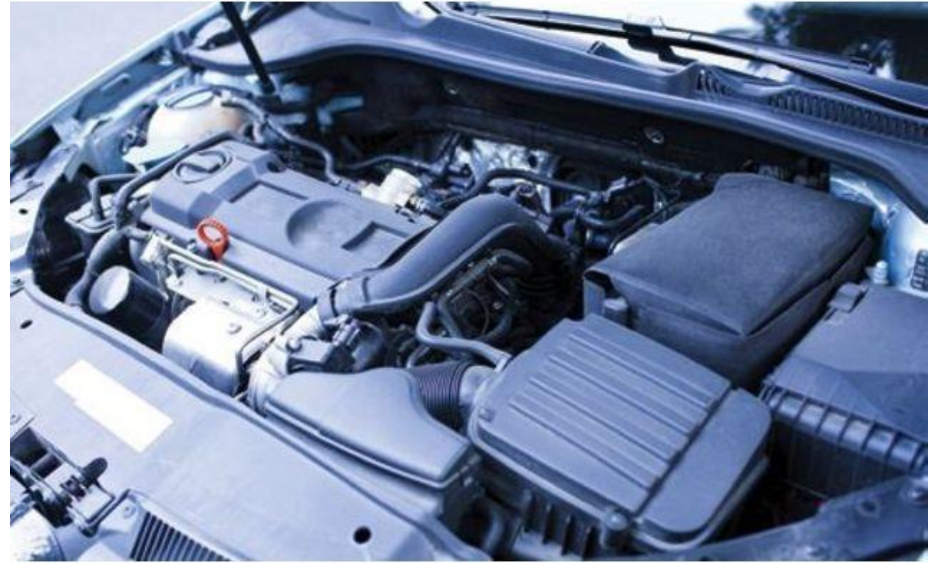




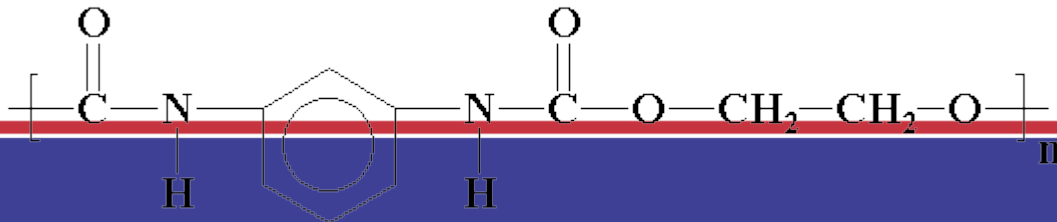
Polikarbonat



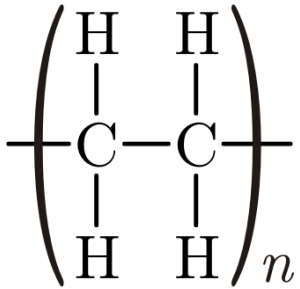
Poliamidler



Poliüretanlar



Polietilen

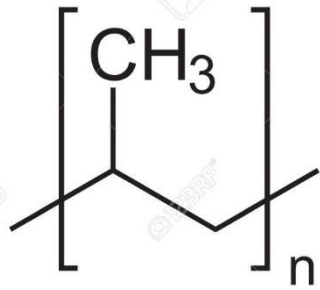


HDPE



LDPE



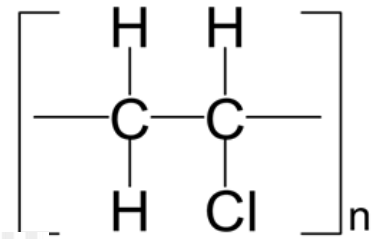


Polypropylene

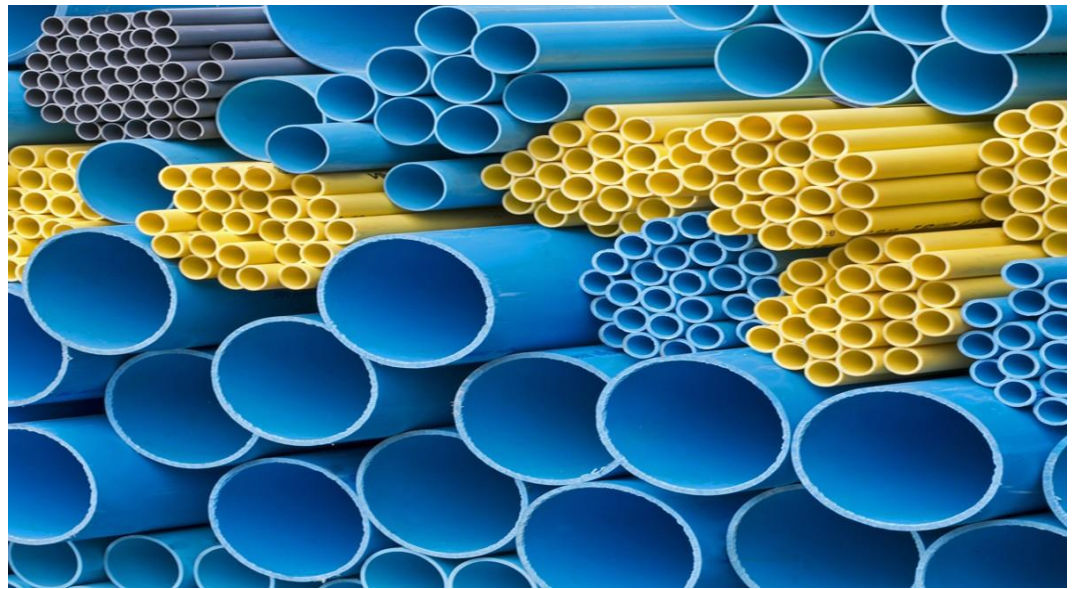




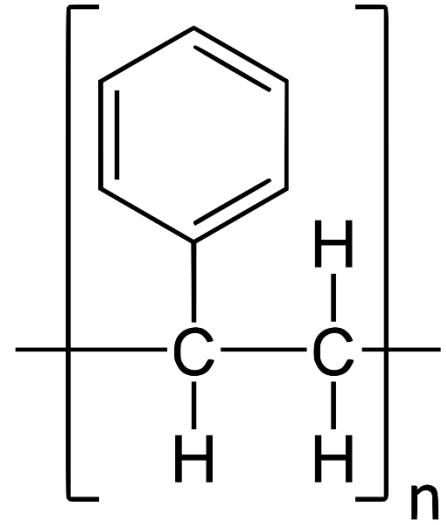
PVC



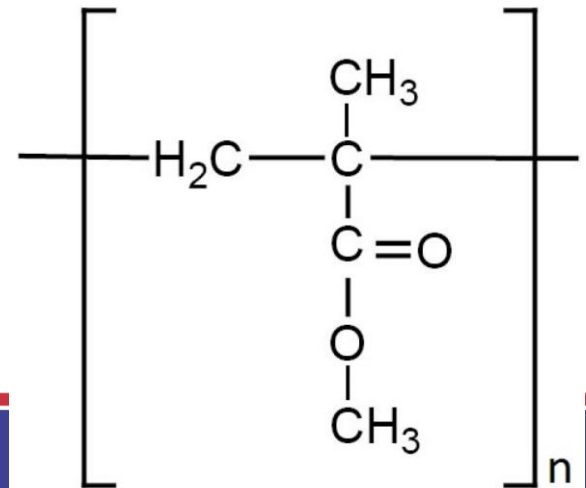
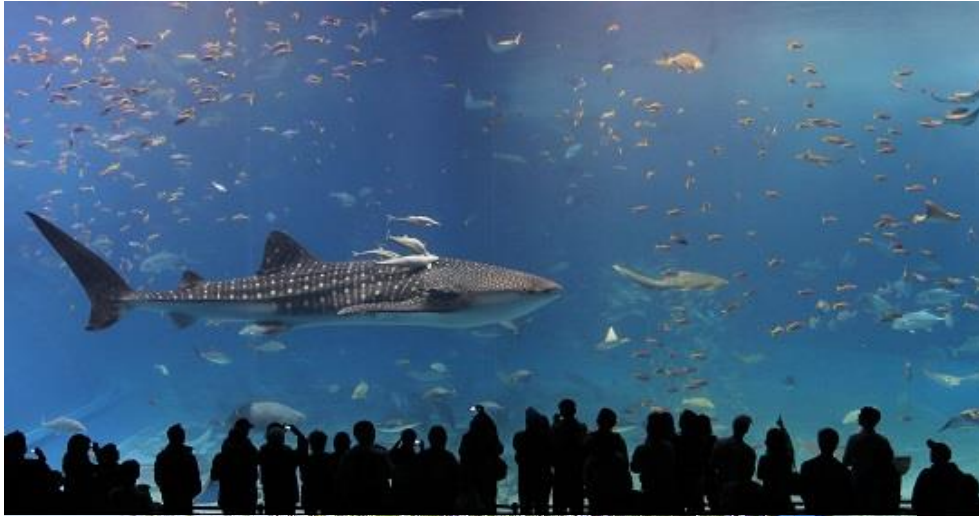
PVC VS. LEATHER



PS



PMMA



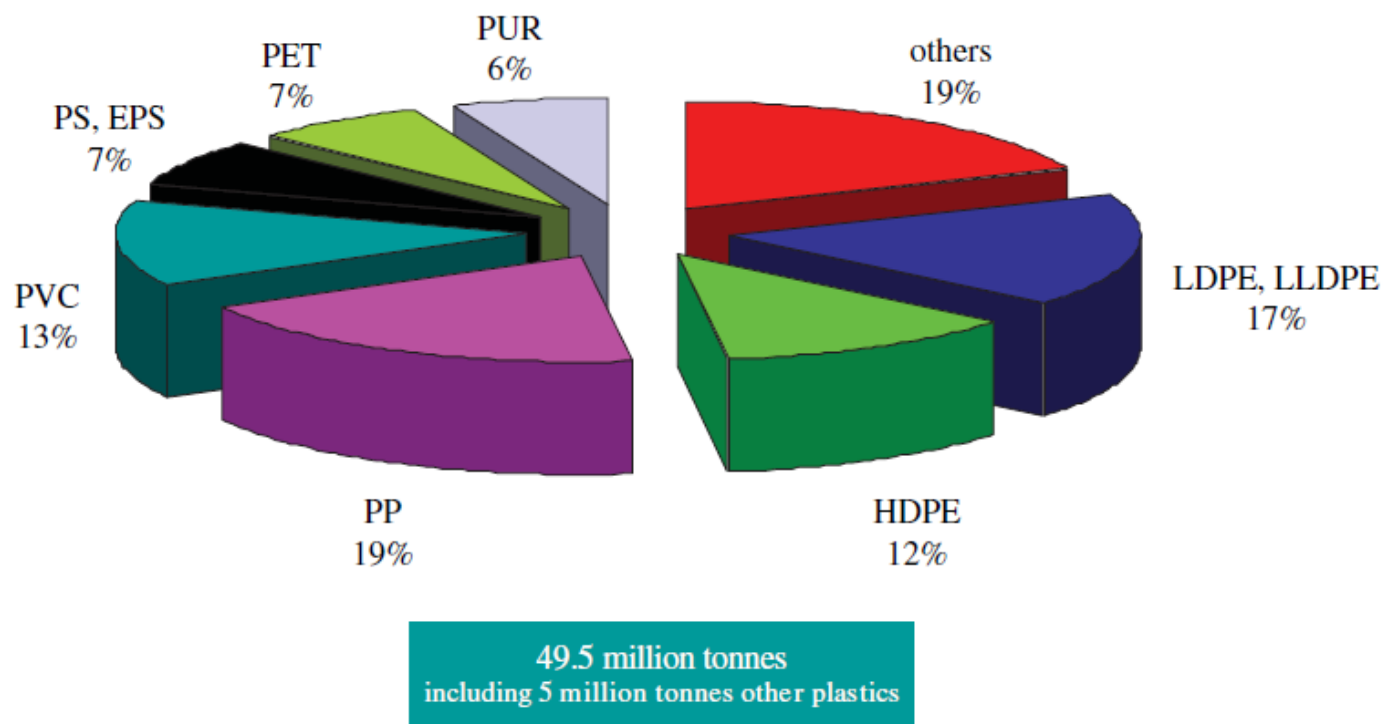


Figure 1. World plastic materials demand by resin types 2006 (PlasticsEurope 2008).