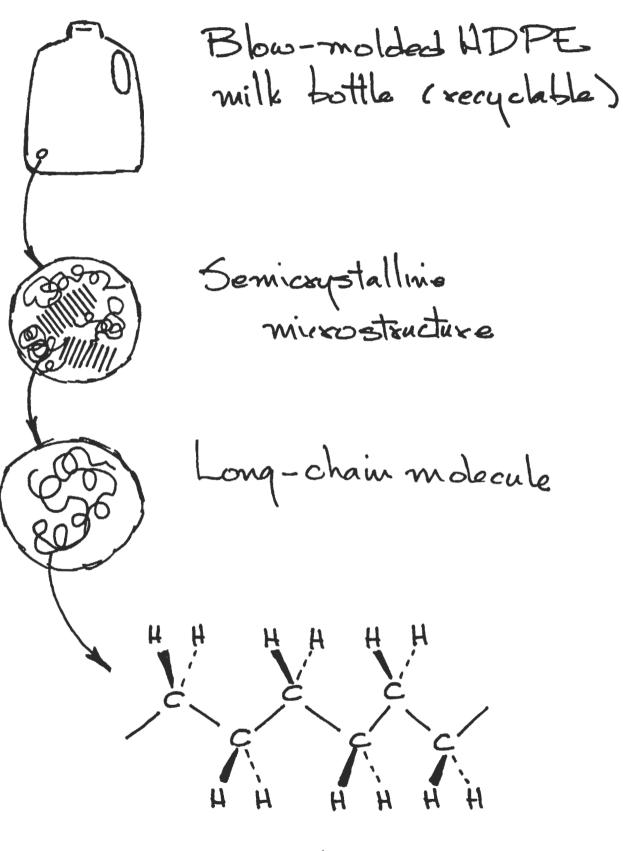
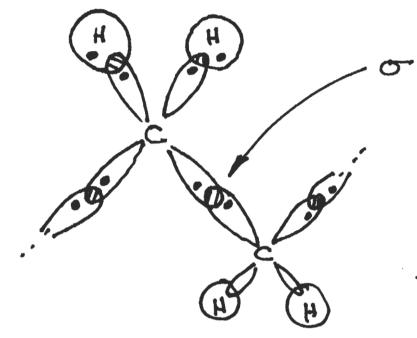
The Polymeric Solid State



Covalently-bonded hydrocarton

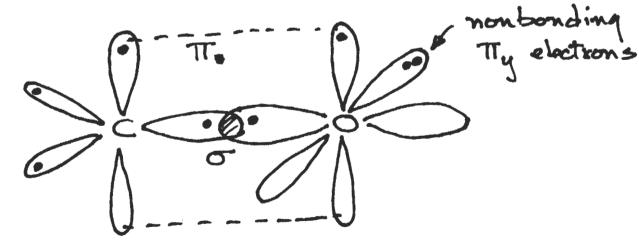
Bonding

· Single

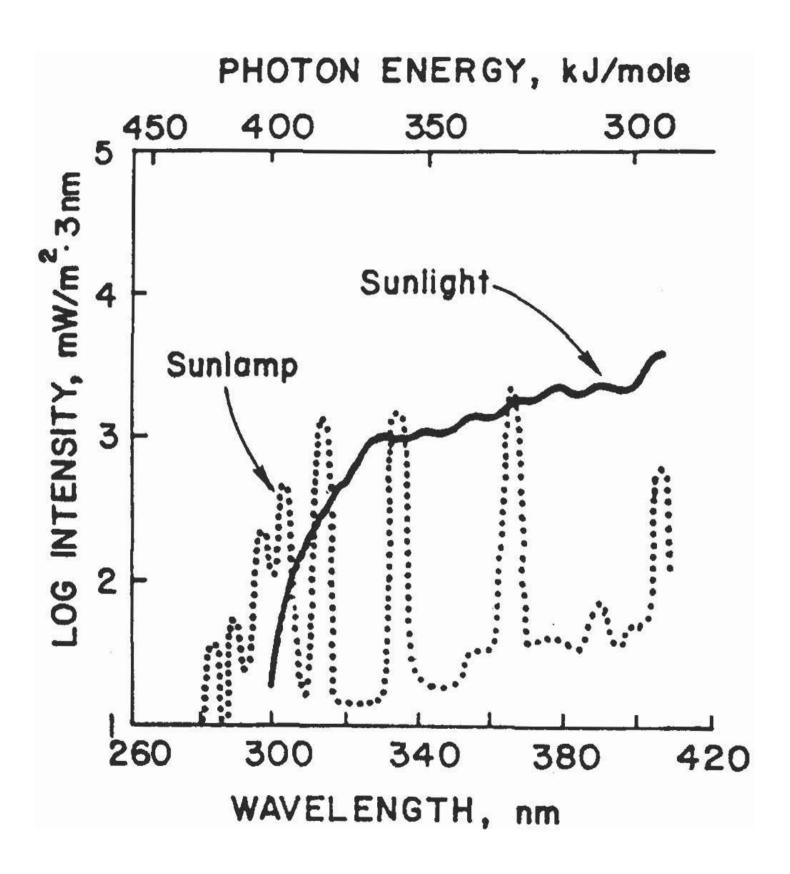


l= 154 pm E_ 346 kJ/mol easy rotation

· Double eg cartonyl c=0



$$\Delta E = 400 kT / mol , $\lambda = \frac{hc}{\Delta E} = 300 \text{ nm}$$$



· lonic - eq surlyn ionomer

C=0

OH NaCR

CH2-CH2

CH2-CH2

COZ NA

Momenclature - an example

- · carboxylic acid
- · acrylie acid

polyacrylic acid

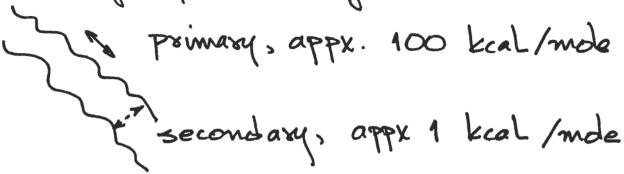
~ CAz - C ~ C=0

· pdy methackylate

· polymethylmethackylate (PMMA)

Some Dominant Characteristics

Anisotropy of bonding



· Conformational change

rate & corp = ET



· Network junctions

