classifications

Based on Thormal response

@ Thermoplastic

polymer < cooling

NO chemical charge during heating

(b) Thermosetting

cross linking

Phonon resin

CY H

Cross linking

1 A Further heat

Charred

Streoregularity Machicity

Orientation of Pendant (side) groups

Same Side - ISOTACTIC

 $CH_2 - CH_2 - CH_2 - CH_2 - CH_2$ $CH_3 \qquad CH_3 \qquad CH_3$

6 SYNTIOTACTIC

- Above abelow alternative

CH3

CH3

CH3

CH3

CH3

CH3

(C) ATACTIC - irregularly (Random)

Heteropolymer (or) topolymer

Two or MORD monomer

1

$$CH = CH_2 - CH - (H_2 - CH - CH_2 - CH$$

Inorganic

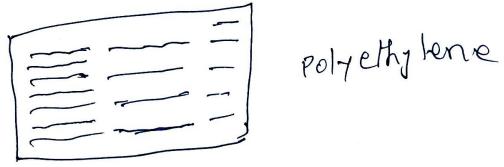
Phosphonic Awd H3POZ4 HD-P-OH HD-P-OH

polyphosphoric A vid

m. wt of polymer

Discrete molecules CH, OH - 32 C2450H - 46

But polymer sample



same sample various m. wt for

5 molecules -> 2800

2007 molecules -> 5600 2007 4 molecules -> 11200