

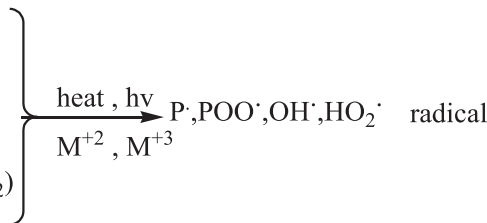
(i) Chain initiation:

Hydroperoxide (POOH)

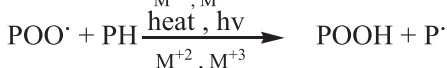
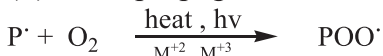
Carbonyl compounds (c=o)

Catalyst residue (Ti^{n} , V^{+n} etc)

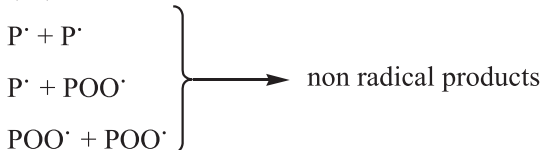
Charge transfer complexes (PH, O_2)



(ii) Chain propagation:



(iii) Chain termination:



e.t.c

Where P^\cdot is polymer radical, M^{+2} is metal ion, and PH is polymer molecule