



**Scheme 3**

### 1.2.1.2 Ionic polymerization

#### 1.2.1.2.1 Anionic polymerization<sup>15,16</sup>

The polymerization of monomers proceeds by the addition of the monomers to active centers bearing a whole or a partial negative charge. The active center is regenerated in each step (Scheme 4).

The negatively charged chain end is often associated with an alkali metal or alkaline earth metal cation. Some of the common group I metal initiator includes alkyl