

10. Poly(methyl phenyl siloxane) homopolymer, (PMPS) was used by Anastasiadis et al (2008) to study the surface and dynamics in polymer/layered silicate nanocomposites. It was purchased from Aldrich. It has molecular weight is 2600gr/mol. Exhibits a glass transition temperature of 223K and its zero shear viscosity at 20⁰C is 0.80 Pa.s. The PPMS homopolymer was initially dissolved in a solvent and organoclay was added very slowly. [10]
11. Lertwimolnun and Vergnes 2006 uses polypropylene (PP) homopolymer to study the Effect of processing conditions on the formation of polypropylene/organoclay nanocomposites in a twin screw extruder. PP used was purchased from Atofina. PP homopolymer was from extrusion grade PPH5060. Has a melting flow index of 6 g/10 min and a melting temperature of 164°C. [11]
12. According to Kornmann et al (2001) Homopolymerization helps in lowering the polarity and displacing the equilibrium of diglycidyl ether of bisphenol A (DGEBA). A substantial amount of homopolymerisation takes place in the galleries causes self-polymerisation of DGEBA molecules between the clay layers leading to exfoliation of the clay. [12]

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