

12. Synthesis Of Polyphenylene Sulfide (PPS) Composite Through Chemical Route

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ABSTRACT

Conducting polymer has received immense attention due to high conductivity because of doping. The synthesis of Polyphenylene sulfide (PPS) composite is done through chemical route using AlCl_3 as Lewis acid. The Lewis acid/monomer stichometric ratio was taken to 99:1. The polymerisation confirms through Fourier transform infrared (FTIR) analysis. The crystalline as well as amorphous phases in composite were successfully probed by FTIR analysis.

Key words: Polyphenylene sulfide, Chemical route, AlCl_3