

t-chlorine을 말단으로 갖는 폴리-알파메틸스티렌의 스타폴리머 합성

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Synthesis of tetra-armed Star Polymer of Poly α -Methylstyrene
capped by tert-chlorine ends.

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Abstracts:

The synthesis of the tetra-armed star shaped poly α -methylstyrene having tert-chlorine ends has been carried out by inifer method using 3,5,2',6'-tetrakisopropyl(2-chloro)-4-aminoazobenzene/ BCl_3 initiating system. The polymer was characterized by GPC and 1H NMR spectroscopy and the presence of the initiator fragments was confirmed by Kennedy-Smith-Nagy plot. The number end functionality, determined by chlorine content analysis, was found to be 4.02 ± 0.5 .