## Properties of PC/MWNT composites prepared by melt extrusion

<u>승유택</u>, 송기헌, 김우년\*, 이헌상<sup>1</sup>, 금종구<sup>1</sup> 고려대학교 화공생명공학과, 유변공정연구센터; <sup>1</sup>LG화학 (kimwn@korea.ac.kr\*)

Polycarbonate (PC)/multi-walled carbon nanotube (MWNT) composites were prepared by melt extrusion using twin screw extruder. Rheological properties and electric conductivity of PC/CNT composites were measured by advanced rheometric expansion system (ARES) and four probes method, respectively. From the rheological and electrical measurements, the rheological and electrical percolation threshold show about 2 wt% MWNT content, respectively. Also, the viscoelastic properties of the PC/MWNT composites by dynamic mechanical thermal analysis (DMTA) are presented.

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